Mobility for all: Connecting the World with Accessible Transportation

November 12 - 15, 2018
TAIPEI INTERNATIONAL CONVENTION CENTER (TICC)

Program Book
Transportation Research Board (TRB) is one of six major divisions of the National Research Council, which serves as an independent adviser to the federal government and others on scientific and technical questions of national importance, and which is jointly administered by the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine. The mission of the Transportation Research Board is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal. The Board is supported by state transportation departments, federal agencies including the component administrations of the U.S. Department of Transportation, and other organizations and individuals interested in the development of transportation.

Each year, TRB’s varied activities engage more than 7,000 engineers, scientists, and other transportation researchers and practitioners from the public and private sectors and academia, all of whom contribute their expertise in the public interest by participating on TRB committees, panels, and task forces. Others get involved and support TRB activities by becoming a TRB Affiliate; participating in TRB-sponsored conferences and workshops; authoring technical papers and contract research reports; and more.

**TRB’s Committee on Accessible Transportation and Mobility (ABE 60)**

The Committee’s mandate is to educate everyone on the issues and gaps related to mobility needs for people with limited transportation options - people with mobility, sensory and cognitive disabilities; older adults; and individuals without private transportation. With a large proportion of our population reaching their golden years, the Committee is dedicated to ensuring mobility options that will provide older adults with a high level of accessibility and affordability. The Committee has a global focus and broad international representation.

Providing accessible transportation enables all individuals to participate fully in an active community life. Accessible transportation through universal and inclusive design is one of the key messages the Committee communicates to various groups involved in providing seamless, accessible transportation.

The TRB Committee on Accessible Transportation and Mobility works closely with other TRB Committees to collaborate and sponsor joint activities.

People interested in participating as a friend of the Committee or as a prospective member are encouraged to join us for our annual Committee meeting, or participate in one of our Subcommittee meetings (Policy and Practice, Research, and Accessible Transportation Technology). All meetings are held each January at the TRB Conference in Washington, DC.
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About the Conference - About TRANSED

Background
TRANSED was created by US Transportation Research Board in 1978. Held every three years, TRANSED conferences have been co-sponsored by the Transportation Research Board. The 1st TRANSED was held in Cambridge, England. Throughout the years, TRANSED was held 14 times in 11 countries, such as Orlando in US, Vancouver in Canada, Stockholm in Sweden, Lyon in France, Perth in Australia, Warsaw in Poland, Hamamatsu in Japan, Hong Kong in China and New Delhi in India. TRANSED 2015 was held in Lisbon, Portugal in July.

TRANSED was traditionally held in Europe and North America and Taiwan is the fourth city in Asia to host this event following India.

Past TRANSEDs
1. TRANSED 1978 (Cambridge, UK)
   Mobility for the Elderly and Handicapped

2. TRANSED 1981 (Cambridge, UK)
   Mobility for Elderly and Handicapped Persons

3. TRANSED 1984 (Orlando, USA)
   Mobility and Transport for Elderly and Handicapped Persons

4. TRANSED 1986 (Vancouver, Canada)
   Mobility in the Global Village

5. TRANSED 1989 (Stockholm, Sweden)
   Towards Mobility as A Human Right

6. TRANSED 1992 (Lyon, France)
   From Human Rights to A Better Quality of Life

7. TRANSED 1995 (Reading, UK)
   Ideas into Action

8. TRANSED 1998 (Perth, Australia)
   Setting the Pace

9. TRANSED 2001 (Warsaw, Poland)
   Towards Safety, Independence and Security

10. TRANSED 2004 (Hamamatsu, Japan)
    Universal Transportation and Road Design: Strategies for Success

11. TRANSED 2007 (Montreal, Canada)
    Benchmarking, Evaluation and Vision for the Future

12. TRANSED 2010 (Hong Kong, China)
    Sustainable Transport and Travel for All

13. TRANSED 2012 (New Delhi, India)
    Seamless Access for All: Universal Design in Transport System and Built Infrastructure-
    A Key Element in the Creation for Liable Cities

14. TRANSED 2015 (Lisbon, Portugal)
    Aim and Manage to Implement Inclusive Access for All
## About the Conference - Conference Committee

### International Steering Committee

<table>
<thead>
<tr>
<th><strong>Joey Goldman</strong></th>
<th>Co-Chair</th>
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<tr>
<td>Transportation Research Board Committee on Accessible Transportation and Mobility (ABE 60), USA</td>
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<tr>
<th><strong>Julie Babinard</strong></th>
<th>Senior Transport Specialist</th>
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<td>World Bank, USA</td>
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<th><strong>Tom Rickert</strong></th>
<th>Executive Director</th>
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<td>Access Exchange International, USA</td>
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<th><strong>Mary Crass</strong></th>
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<tr>
<th><strong>Ling Suen</strong></th>
<th>Director</th>
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<th><strong>Hitoshi Okubo</strong></th>
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<th><strong>Pamela Pui-Yu, Leung</strong></th>
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<th><strong>Hiroyuki Shirinashihama</strong></th>
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<th><strong>Il-Yung Lee</strong></th>
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<th><strong>Russell Thatcher</strong></th>
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### Scientific Committee

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<tr>
<th>Name</th>
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<tr>
<td>Judy Shanley</td>
<td>Assistant Vice President</td>
<td>Easter Seals Inc., USA</td>
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<tr>
<td>Trevor Hanson</td>
<td>Associate Professor</td>
<td>Transport Institute, University College London, UK</td>
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<tr>
<td>Andrea Lubin</td>
<td>Senior Researcher</td>
<td>Rutgers University, New Brunswick, New Jersey, USA</td>
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<tr>
<td>Mohammed Yousuf</td>
<td>Program Manager</td>
<td>US Federal Highway Administration, USA</td>
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<tr>
<td>Peter Cosyn</td>
<td>Senior Project Manager</td>
<td>Tractebel Engineering, Belgium</td>
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<td>Alauzet Aline</td>
<td>Deputy Manager</td>
<td>IFSTTAR, France, France</td>
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<tr>
<td>Lilian Salazar</td>
<td>Assistant Professor</td>
<td>Instituto Tecnologico de Monterrey, Mexico</td>
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<tr>
<td>Roger Mackett</td>
<td>Professor</td>
<td>Transport Institute, Univesity College London, UK</td>
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<td>Lalita Sen</td>
<td>Professor</td>
<td>Texas Southern University, USA</td>
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<tr>
<td>Anabela Simoes</td>
<td>Professor</td>
<td>Universidade Lusofona, Portugal, Portugal</td>
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<tr>
<td>Uwe Rutenberg</td>
<td>President</td>
<td>Rutenberg Design Inc., Canada, Canada</td>
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<tr>
<td>Joseph Kwok</td>
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<td>Asia Pacific Disability Forum, Hong Kong</td>
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<td>Expert Member</td>
<td>UN Committee on the Rights of Persons with Disabilities, Korea</td>
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<td>Kai-Kuo Chang</td>
<td>Director</td>
<td>Transportation Safety Division, Institute of Transportation (IOT), Ministry of Transportation and Communications, Taiwan</td>
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<tr>
<td>Shyue-Koong Chang</td>
<td>Director and Professor</td>
<td>Dept of Civil Engineering; Advanced Public Transport Research Center, National Taiwan University, Taiwan</td>
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## About the Conference - Conference Committee

### Scientific Committee

**Ching-Lung Liao**  
Director and Professor  
Railway Technology Research Center, National Taiwan University, Taiwan

**Yu-Chiun Chiu**  
Department Head and Professor  
Department of Transportation and Logistics Management, National Chiao Tung University, Taiwan

**Shiaw-Shyan Luo**  
Associate Professor  
Department of Transportation Management, Tamkang University, Taiwan

**Wan-Hui Chen**  
Professor  
Department of Transportation Management, Tamkang University, Taiwan

**Shih-Ching Lo**  
Chairman and Associate Professor  
Department of Transportation Technology and Logistics Management, Chung Hua University, Taiwan

**Sheng-Tsung Hou**  
Director and Professor  
Graduate Institute of Public Affairs and Social Innovation, Feng Chia University

**Liang-Tay Lin**  
Dean and Professor  
Department of Transportation and Logistics, College of Construction and Development, Feng Chia University, Taiwan

**Jau-Ming Su**  
Professor  
Department of Transportation and Logistics, Feng-Chia University, Taiwan

### Scientific Committee

**Chao-Fu Yeh**  
Assistant Professor  
Department of Transportation and Logistics, Feng-Chia University, Taiwan

**Chien-Hung Wei**  
Professor  
Department of Transportation and Communication Management Science & Institute of Telecommunications Management, National Cheng Kung University, Taiwan

**Shou-Ren Hu**  
Professor  
Department of Transportation and Communication Management Science & Institute of Telecommunications Management, National Cheng Kung University, Taiwan

**Chung-Wei Shen**  
Assistant Professor  
Department of Transportation and Communication Management Science & Institute of Telecommunications Management, National Cheng Kung University, Taiwan

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Adjunct Research Fellow  
Institute of Economics, Academia Sinica, Taiwan

**Cheng Liang**  
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President, Eden Social Welfare Foundation, Taiwan
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Dear guests and friends,

Since the United Nations passed the Convention on the Rights of Persons with Disabilities (CRPD) in December 2006, Eden has been proactively promoting the spirits underlying every right protected by the Convention. Eden has spared no effort in constructing and offering both persons with disabilities and the elderly with comprehensive services. Furthermore, it is our mission to exchange viewpoints and experience on this globally significant issue with the international community. We feel greatly privileged to organize the 15th International Conference on Mobility and Transport for Elderly and Disabled Persons in 2018, which will be held at the Taipei International Convention Center from November 12th to 15th.

The theme of the conference is "Mobility for All: Connecting the World with Accessible Transportation." Starting with a plenary lecture, the conference continues with a variety of discussions, in which researchers, practitioners, service providers, policy planners, educators, and experts in the field of aging from around the world are invited to discuss the latest on accessible transportation. Formats will include keynote speeches, topic discussions, thesis poster exhibitions, practical on-site exhibits. Workshops focusing on special issues will allow participants to gain awareness and understand academic application, industry exchange and experience sharing from various relevant fields in the world. These exchanges will in turn create a common platform for brainstorming and learning, bringing forth the multifaceted thinking and innovative development of industry, the public sector, and academia.

We sincerely invite you to participate at TRANSED 2018, a great opportunity for synergy in the fields of academia, cutting edge technologies and enterprises connect and network. Through the research presentations, booth exhibitions and promotional materials in the conference manual, participants will gain a broader global perspective of this issue, with the aim to creating exchange and mutual benefits. We look forward to your active support, participation and sponsorship. Together, we will drive the general public in Taiwan to seriously regard the accessible environment and services, promote the exchange with international accessible network, and strive for a barrier free society, built with hearts and minds without barriers!

On behalf of the Organizing Committee of the 15th International Conference on Mobility and Transport for Elderly and Disabled Persons, we send our warmest regards and wish the greatest success for the conference.

Patrick Ying-Ping Yeh
Honorary Chairperson of the Organizing Committee, TRANSED 2018
Welcome Message

Dear Guests, Colleagues and Friends,

Greetings from Eden Family!

The 15th International Conference on Mobility and Transport for Elderly and Disabled Persons, (TRANSED 2018) is scheduled to be held at Taipei International Convention Center during 12 Nov 2018 (Mon) to 15 Nov 2018 (Thu). The theme of the conference is “Mobility for all: Connecting the World with Accessible Transportation,” which focuses on four main areas: 1. Accessible Transportation and Tourism in Air, Land and Water; 2. Safe & Sustainable Mobility for Elderly and Persons with Disabilities; 3. Collaboration and Coordination across Information Financial and Transportation Services; 4. Smart City Network & Smart Growth in the Asia Pacific Region and Worldwide.

Held every two or three years, TRANSED series of conferences are milestone events in the field of accessible transportation, attracting researchers, policymakers, transport operators, consumers and other specialists from around the world to share innovations and best practices in order to make transportation and mobility accessible to everyone.

From the first conference in 1978 held at Cambridge, UK, this coveted conference has been to different continents providing a platform for innovation, research and inclusive practices in mobility and transport under the aegis of the US Transportation Research Board of National Academics (TRB).

Eden Social Welfare Foundation (hereafter referred to as Eden) is deeply honored to host this prestigious triennial International Conference in Taiwan. With a phenomenal rise in the ageing population in Taiwan, it is truly significant to have the conference in Taiwan and mull over the challenges and prospects the inclusive and accessible transportation poses before the developing economies in our region.

Eden, in its 36 years of existence, has sought to accomplish the United Nations’ Sustainable Development Goals (SDGs) and follow the principles of the Convention on the Rights of Persons with Disabilities (CRPD), proactively sharing and communicating with the international community regarding the experiences of serving the older adults and the persons with disabilities. In particular, our experiences that it is “accessibility” that largely decides whether or not, the older adults, children, women who are family way, people of all sizes and dimensions and persons with disabilities, can fully participate in our society, contribute to the development of nation and reap the benefits of social inclusion.

After three years of rigorous preparation, a warm up event took place last year, with the “2017 Cooperation Forum on Accessibility & Prosperity in Cities,” in which scholars and experts were invited to visit Taiwan to inspect the progress of the TRANSED 2018 preparations, and experience the accessible transportation systems in five major cities in Taiwan. The visiting experts were encouraged to see the commitment shown by the city leadership and they saw a huge potential in Taiwan’s march towards inclusive and accessible cities that are not only smart but also humane. We at Eden, sincerely hope to plan and create a platform at this international conference through the exchange of expertise and experience from various countries. With diverse presentations such as keynote speeches, panel discussions, workshops, and VR experience exhibition given by renowned subject experts, scholars and practitioners from Europe, the United States, and the Asia Pacific region, the conference is set to provide participants with a rich and innovative learning environment and enhance their professional knowledge in relevant fields, hoping to further benefit more older adults and persons with disabilities in the future!

Each TRANSED International Conference has always been an innovation milestone for accessible transportation in the global community. We sincerely invite you to attend, contribute to, partner with us, support and sponsor this remarkable event in Taiwan, to link up with the world, create a forward-looking, smart and sustainable accessible transportation and services for the older adults and persons with disabilities.

On behalf of the Eden Family & TRANSED 2018 Organizing Committee, I look forward to your participation in all forms possible, as a visitor, delegate, researcher, partner, supporter, sponsor or an exhibitor. Let’s make best use of this unique opportunity and take ownership of making this coveted and unique conference a grand success.

Thank you,

Cheng Liang
Chairperson of Organizing Committee, TRANSED 2018
General Information

Conference Emergency Plan

Fire:
- Press the fire alarm box on the fire box. Dial Emergency Number 119 and inform the correct address, the location of the floor, and whether or not you are trapped.
- Please keep calm and follow the direction to the emergency exit. Evacuate from the safety ladder to the assembly point (TWTC Square). Do not run and take the elevator to avoid accidental trapping.

Earthquake:
- When an earthquake occurs, you should keep calm and hide under the seat. Leave after shaking stop.
- When the earthquake shakes violently. Hide under the solid table or next to the main pillar, wait for the earthquake to stop.
- Follow the guideline. Do not run, push or take the elevator.

Medical:
- Notify the information desk or security guard and dial 119. Stay with the patient until ambulance technician come.
- Information desk: (886-2)2725-5200 #3000 – 3152
- Location of Automated External Defibrillator (AED): 1F Information Desk, 2F Jade Restaurant, 3F North Lounge, 4F Joy

Stuck in Elevator:
- Use intercom to communicate with security guard.
- Do not open the elevator door.
- The air is circulating in the elevator and wait for help.

Emergency broadcast:
During an emergency broadcast, please stay calm, follow the escape instructions and move to your nearest exit. Follow the instructions to use the escape ladder and move to the safe assembly point. Please do not run or take elevator in case of any accidents or trapped inside the elevator. Please refer to the below escape floor plan for escape exit location.

Other Information
- In order to maintain the quality of the meeting environment, please turn off your mobile phone or turn it into silent mode. During the meeting, please do not eat or drink. No outside food or drink allowed.
- As conference agenda had been set, in order to respect the conference presenter, we refuse any forms of temporary publication.
- Accessible restroom are located at Southe Corridor on every floor. Please contact our staffs if assistance required.
- Photography, video still and moving images will be captured by official photographers at the conference. Transed committee may use these images and footage as part of its communication products and promotional material.
- If you do not wish to have any video footage or photographs taken of you, please inform the staff at the registration desk.

Conference Information

Date: November 12-15, 2018
Venue: Taipei International Convention Center (TICC)
Address: 1 Hsin-Yi Road, Section 5, Taipei 11049, Taiwan ROC
Website: http://www.transed2018.com

Location
General Information - Floor Plan

Taipei International Convention Center (TICC)

General Information - APP

Conference Application

● For Android:

1. Download Conference App, TRANSED 2018 on Google Play

2. Log-In

3. Please refer to below icon’s guidline

About the Conference: Brief introduction of the conference.
Program: Conference program. Daily program: You may view the daily program, and select the session you interest into My Schedule.
Social Program: View the social events of this conference.
My Schedule: Open My Schedule to view personal calendar
Album: You can view photos, videos and upload business card
Papers & Posters: All Abstract, Full Paper, Presentation Material can be downloaded here.
News: You may find latest news here.
Map

● For IOS:

Please find the QR code below and login
Day 2 | Wednesday, November 14, 2018

**Conference Information - Program**

### Day 2 Schedule

#### Registration (TICC Foyer)

- **08:00-09:00**
  - Topic Discussion A (TICC 101A)
    - All-In-one Needs on Different Types of Transportation Means
  - Topic Discussion B (TICC 101B)
    - All-Universal Design for Public Transportation
  - Topic Discussion C (TICC 101C)
    - B4-Government Policies and Strategies Implementing In-Aging Population
  - Topic Discussion D (TICC 101D)
    - B5-Transportation Service for Older Adults I

**Session Chair:** Mr. Peter Cugou (Nigeria)
**Presenter:**
- 3.1 Dr. Shun-Shen Chu (Taiwan)
  - Universal Accessibility and Safety in Urban Greening
- 3.2 Dr. Emmanuele Vanni (Italy)
  - Analysis of the Italian Law on Access to Public Buildings and Services
- 3.3 Dr. Kanae Ando (Japan)
  - Design of Public Transportation Service in Japan

**Session Chair:** Mr. Joseph Yung Hong Kong
**Presenter:**
- 2.1 Dr. Shun-Shen Chu (Taiwan)
  - Universal Design in Development and Operation of Taxi Vehicle in Japan
  - Its Status and Problem Issues
- 2.2 Dr. Shun-Shen Chu (Taiwan)
  - Improving Public Bus Transit Accessibility for Visually Impaired

**Session Chair:** Mr. Ka-Long Chan (Hong Kong)
**Presenter:**
- 1A.1 Prof. Chih-Peng Chu (Taiwan)
  - Pedestrian Subway
- 1A.2 Mr. Subhash Vashishth (India)
  - Model for Paratransit Demand A Spatial Zero-Inflated Regression

**Session Chair:** Ms. Sally Swanson (USA)
**Presenter:**
- 4A.1 Dr. Regina Cohen (USA)
  - Toolkit Delivers Access for All. Lessons Supporting Accessibility for Everyone.

**Session Chair:** Dr. Meenu Bhambhani (India)
**Presenter:**
- 3B.1 Mr. Joseph Kwan (Hong Kong)
  - A Day Care Centre - A Case Study.
- 3B.2 Dr. Helena Svensson (Sweden)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Meenakshi Balakrishnan (India)
**Presenter:**
- 2A.1 Mr. Subhash Vashishth (India)
  - Improving Public Bus Transit Accessibility Its Status and Problem Issues.
- 2A.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. An Neven (Belgium)
**Presenter:**
- 3B.3 Prof. Shou-Ren Hu (Taiwan)
  - Training Experiences.
- 3B.4 Prof. Pro-Tao Lee (Taiwan)
  - Challenges in Providing Public Transportation Service for Elderly and Disabled People

**Session Chair:** Prof. Chih-Peng Chu (Taiwan)
**Presenter:**
- 1B.1 Dr. Nobuyuki Mino (Japan)
  - The Mobility Situation for Older People in Japan.
- 1B.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Sheng-Tsung Hou (Taiwan)
**Presenter:**
- 4B.1 Mr. Subhash Vashishth (India)
  - How To Improve The Transportation Systems For The Disabilities Using User Experience & Service Design Thinking.
- 4B.2 Prof. An Neven (Belgium)
  - Securing Elderly People’s Livelihood Mobility by Offering Augmented Reality Training Experiences.

**Session Chair:** Dr. Meenu Bhambhani (India)
**Presenter:**
- 3C.1 Mr. Subhash Vashishth (India)
  - Negotiation and Wayfinding for Persons with Disabilities in Urban Public Transportation in India
- 3C.2 Dr. Meenu Bhambhani (India)
  - Negotiation and Wayfinding for Persons with Disabilities in Urban Public Transportation in India

**Session Chair:** Prof. Chih-Peng Chu (Taiwan)
**Presenter:**
- 1C.1 Prof. Nobuyuki Mino (Japan)
  - In Pursuit of the Common Good: Experience and Future of Taiwan’s Fu Kang Service.
- 1C.2 Prof. Hsin-Hung Chen (Taiwan)
  - More Than A Right.

**Session Chair:** Prof. Hiroshi Asada (Japan)
**Presenter:**
- 2C.1 Dr. Shun-Shen Chu (Taiwan)
  - The Innovative Elderly and Disabled Services in Taiwan.
- 2C.2 Prof. Chih-Peng Chu (Taiwan)
  - The Innovative Elderly and Disabled Services in Taiwan.

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 4C.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4C.2 Prof. An Neven (Belgium)
  - Challenges in Providing Public Transportation Service for Elderly and Disabled People

**Session Chair:** Ms. Amanda Fernandes Ferreira (Brazil)
**Presenter:**
- 4B.1 Mr. Subhash Vashishth (India)
  - Taipei Metro with the Own Wheelchair. - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4B.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Kazuhiko Umeda (Japan)
**Presenter:**
- 2D.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 2D.2 Dr. Helena Svensson (Sweden)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Chih-Peng Chu (Taiwan)
**Presenter:**
- 1D.1 Prof. Nobuyuki Mino (Japan)
  - In Pursuit of the Common Good: Experience and Future of Taiwan’s Fu Kang Service.
- 1D.2 Prof. Hsin-Hung Chen (Taiwan)
  - More Than A Right.

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 3D.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 3D.2 Prof. An Neven (Belgium)
  - Challenges in Providing Public Transportation Service for Elderly and Disabled People

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 4D.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4D.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 4D.3 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4D.4 Prof. An Neven (Belgium)
  - Challenges in Providing Public Transportation Service for Elderly and Disabled People

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 4E.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4E.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 4F.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4F.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 4G.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4G.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

**Session Chair:** Prof. Nobuyuki Mino (Japan)
**Presenter:**
- 4H.1 Mr. Subhash Vashishth (India)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People
- 4H.2 Dr. Itsuki Yoshida (Japan)
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- 4I.2 Dr. Itsuki Yoshida (Japan)
  - Possibility of “Last One Mile” Mobility: Addressing the Last Mile Requirement for Older People

### Tax Break

- **15:30-16:00**

**Parallel 1 (TICC 101C.D) Parallel 2 (TICC 101AB)

- **16:00-17:30**

**Parallel 2 (TICC 101C.D) Parallel 4 (TICC 101AB)

- **18:00-19:30**

**Poster Presentation Topics**

- **Prof. Meenakshi Balakrishnan (India)**
  - "Ambient Informatics for Elderly Care in Rural Areas in India"

- **Dr. Shun-Shen Chu (Taiwan)**
  - "Smart Home for the Elderly: A Case Study in Taipei MRT System"

- **Prof. Nobuyuki Mino (Japan)**
  - "Evaluating the Effectiveness of Accessible Environment: A Case in Taipei MRT System"

- **Prof. Hsin-Hung Chen (Taiwan)**
  - "The Innovative Elderly and Disabled Services in Taiwan."

- **Dr. Itsuki Yoshida (Japan)**
  - "How to Improve the Transportation Systems for the Disabilities Using User Experience & Service Design Thinking."

- **Mr. Ramana Rachaprolu (India)**
  - "Model for Paratransit Demand A Spatial Zero-Inflated Regression"

- **Dr. Shun-Shen Chu (Taiwan)**
  - "Securing Elderly People’s Livelihood Mobility by Offering Augmented Reality Training Experiences."

- **Ms. Monica Mao (Taiwan)**
  - "Establishing a Sharing-Safety and Obstacle-Free Environment in Taipei MRT"

- **Mr. Chi Keung Luk (Hong Kong)**
  - "Disable Users’Experience in Using Accessible Elevators: A Case in Taipei MRT System"

- **Mr. Jutoram Mahala (India)**
  - "Commuting for People with Disabilities to Rural Areas in Sweden"

- **Mr. Hiroshi Asada (Japan)**
  - "In Pursuit of the Common Good: Experience and Future of Taiwan’s Fu Kang Service."
## Day 3 | Thursday, 15 November, 2018

### Registration (TICC Expo)

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<td>Session Chair: Prof. Carolina Kwan (Canada)</td>
<td>Session Chair: Prof. Sara Rodriguez (USA)</td>
<td>Session Chair: Prof. Judy Sherry (USA)</td>
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<td>Presenter: Ms. Sarah Burn (Canada)</td>
<td>Presenter: Dr. Jennifer Schu (USA)</td>
<td>Presenter: Dr. Judy Sherry (USA)</td>
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<td>Session A: Accessible Tourism-Advocacy</td>
<td>Session B: Accessible Tourism - System and链</td>
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<td>Session D: Autonomous Vehicles and E-Tailing Services</td>
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### Session A: Accessible Tourism-Advocacy

**Presenter:** Ms. Sarah Burn (Canada)

**Session Title:** Increasing Accessibility of Physical Maps for All

**Session Title:** Promoting Accessible Green Travel for People with Mobility Difficulties: An Exploration Study on Accessibility in Country Parks of Hong Kong

**Presentation:**

1. **Session A1:** Improving Accessibility of Fixed Route Buses as An Important Public Mode of Transport.
2. **Session A2:** The USA Experience - Improving Accessibility of Fixed Route Buses as An Important Public Mode of Transport.
3. **Session A3:** The Thailand Experience - Improving Accessibility of Fixed Route Buses as An Important Public Mode of Transport.
4. **Session A4:** Impacting the Needs of Individuals with Disability

**Moderators:**

- **Dr. Judy Sherry:** Co-chair, Policy and Practice Subcommittee, Transportation Research Board Committee on Accessible Transportation and Mobility (ABE60)
- **Prof. Sharon Hoh:** Professor, Transportation Perspectives for Mobility in Region City

**Presidents:**

- **Dr. Jennifer Schu:** Developmental Management Framework and Key Performance Indicators for Accessible Transportation Services for Persons with Disability.
- **Prof. Kui-Ming Lui:** The Service Quality Improvement of the Public Bus Service in Taipei.
- **Mr. Hang Sau Ng:** Effectiveness of Remedial Operations on Public Transport Policy in Development of Public Transport.
Preconference Workshop

Pre- Conference Workshop Topics

I. Safe Transport of Powered Wheeled Mobility Devices Particularly Scooters on Public Transit


III. Understanding Hidden Disabilities

IV. Bridging the Gap: Your Role in Transporting Children with Disabilities to School in Developing Countries.

This Conference is a green meeting supporter. All session materials including Keynote Speech, Topic Discussion, Parallel Sessions and Round Table Forum can be downloaded through conference application or website.
L. Suen is a world leader in concept development of universal transportation framework, policy formulation, standard setting, guideline and best practices research and implementation. She has extensive project management experience in the transport sector including local, national and international passenger transportation. She is a renowned transportation manager and researcher and is recognized internationally as an authority in accessible transportation for elderly and disabled persons and multi-modal transport planning with emphasis on urban transportation. She has received numerous awards for her contribution to transportation planning and the Canadian public service over the past 30 years.

As Director, Transportation Planning, Intelligent Computer Systems and Applications (ICSA) Inc., Canada, L. Suen is the principal consultant responsible for all transportation and urban planning practices in diverse projects on strategy, organizational planning, and research management for clients in both public and private transport sectors, in North America and abroad. She is responsible for the company’s pursuit in intelligent (or “smart”) transportation applications for all modes of transport, particularly the travelling public with mobility and sensory impairments, with emphasis on transport safety considerations.

L. Suen has over 30 years of experience working in a matrix setting as project manager responsible for a multidisciplinary team of professionals consisting of engineers, economist, ergonomist, and planners in multi-year research and development programs. In addition, she has line management functions over a diverse staff consisting of professionals, technical and administrative personnel.

Judy Shanley
Ph.D. Special Education, Educational Leadership, University of Florida
Project Director, Asst. VP, Education & Youth Transition
Easter Seals Inc., Chicago, IL

Current Position
Easter Seals Inc., Chicago, IL (October 2011-Present)
Project Director. Manage and provide technical assistance on various Federal initiatives related to human service transportation and improving access to safe and reliable mobility options for people with disabilities and older adults. Projects include:

National Center for Mobility Management
Inclusive Coordinated Transportation, Transitplanning4all
Asst. Vice President, Education & Youth Transition, Director of Student Engagement

Mobility Management Independent Living Coaches Project

Previous Positions
Education Program Specialist, GS14, U.S. Department of Education, Office of Special Education & Rehabilitative Services, Office of Special Education Programs (OSEP) and Office of Postsecondary Education, Washington, DC (October 2006 - December 2010).
American Institutes for Research (AIR), Washington, DC (November 1998- October 2006)

Appointments and Service

● Invited Co-chair, Transportation Research Board, Access and Mobility Committee, Policy to Practice Subcommittee (current).
● Invited Strategic Advisor. American Public Health Association, 2017 Strategic Planning Committee Transportation and Health (current).
● Advisor, ThinkWork, National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), Rehabilitation Research and Training Center on Advancing Employment for Individuals with Intellectual and Developmental Disabilities, University of Massachusetts, Boston. Contributed content related to workforce- transit connections (current).
● Strategic Advisor, National Disability Mentoring Coalition, Leadership Committee, established a peer mentoring program for youth with disabilities to introduce them to careers in transportation (current).
● WTS International, Advancing Women in Transportation (WTS) (current).
● Evaluation Advisor, National Youth Transitions Collaborative Evaluation Committee – engaged work regarding mobility management and youth transition (current).
● President-Elect, National Division on Career Development and Transition (current).
● Curriculum Reviewer, IRIS Center, OSEP-Funded National Center for Faculty Development. Invited to review transition and contribute content transportation curriculum (current).
**Pre-Conference Workshop III Organizer**

**Roger Mackett**

PhD Geography, University of Leeds  
Emeritus Professor of Transport Studies and Senior Research Associate  
University College London

**Professional Institutions**

- Fellow of the Chartered Institution of Highways and Transportation (FCIHT)
- Fellow of the Chartered Institute of Logistics and Transport (FCILT)

**Career**

- Oct 2011 – present Emeritus Professor of Transport Studies, and Senior Research Associate, Department of Civil, Environmental and Geomatic Engineering, University College London
- Oct 1996 – Sept 2011 Professor of Transport Studies, Department of Civil, Environmental and Geomatic Engineering, University College London
- Oct 1991 - Sept 1996 Reader in Transport Studies, Department of Civil and Environmental Engineering, University College London

**Relevant professional appointments**

- US Transportation Research Board (TRB), Member of the Standing Committee on Accessible Transportation and Mobility (ABES0) (15 April 2016 – 14 April 2019).
- Transport Focus – member of the Accessibility Forum (April 2015 to present).
- Disability Action Alliance – member of the Transport Group (July 2014 to present).
- Disabled Persons Transport Advisory Committee (DPTAC) – member of the Committee (April 2014 to March 2020), chairman of the DPTAC Research and Evidence Group (September 2015 to present), member of the DPTAC group advising on Railway Station Accessibility (June 2014 to February 2015), member of the Inclusive Mobility Group (December 2014 to September 2015).
- Age Action Alliance – Chairman of the Transport Working Group (December 2012 to present), and member of the Public Health and Active Lifestyles Working Group (March 2012 to present).
- Chartered Institute of Logistics and Transport – member of the Accessibility and Inclusion Forum (November 2010 to present) and member of the Concessionary Travel Group (November 2011 to present).

**Pre-Conference Workshop IV Organizer**

**Janett Jiménez**

Postgraduate Research School, School of Architecture, Oxford Brookes University, United Kingdom. Architecture

**Working Experience**

- Consultant March 2000 - 2015  
  CAN LAH, SC – ACCESSIBILITY CONSULTING SERVICES MEXICO
- Consultant June 1998 - March 2000  
  ACCESS INITIATIVE GROUP PETALING JAYA, MALASIA

Janett JIMENEZ-SANTOS. Architect from Mexico City with a postgraduate research project on the United Kingdom’s Building Regulations and access for people with disabilities. Access consultant on: design advice and access audits in the built environment, public space, pedestrian crossings and public transport. She has worked on the development and updating of building regulations, standards and guidelines for local, state and federal governments on accessibility issues and has advised Mexico City’s government on legislation for mobility and urban infrastructure. Led a program on access audits with architectural students and a non-profit organization, which developed a methodology that will be turned into an app for ipads. Part of the access committee for the Bus Rapid Transit Metrobus line 4 and 5. Has been involved on a research project on mobility and possible door to door services for people with limited mobility. One of the authors of a guide about transporting students with disabilities to school published by Access Exchange International.
**Conference Information - Keynote Speech**

**Keynote Speech I**

*Piroon Laismit*

LL.M. (International Law), Virje University of Brussels, Belgium  
Executive Director  
Asia-Pacific Development Center on Disability (APCD), Bangkok

**Royal Decorations**
- Knight Grand Cordon (Special Class) of the Most Noble Order of the Crown of Thailand (2013)  
- Knight Grand Cross (First Class) of the Most Exalted Order of the White Elephant (2010)

**Professional Experience**
- Nov 2017  Executive Director, Asia-Pacific Development Center on Disability (APCD)  
- 2016-2017  Executive Director, Thailand Trade and Economic Office, Taipei  
- 2014-2015  Ambassador Extraordinary and Plenipotentiary of the Kingdom of Thailand to the State of Qatar

**Keynote Speech II**

*Wen-Jong Chi*

M.S. in Institute of Traffic and Transportation, National Chiao Tung University  
B.M. in Department of Traffic and Transportation Engineering, National Chiao Tung University  
Administrative Deputy Minister, Ministry of Transportation and Communications (Taiwan)

**Experience**
- Director General, Institute of Transportation, MOTC (2016)  
- Director General, Maritime and Port Bureau, MOTC (2013-2016)  
- Director, Department of Navigation and Aviation, MOTC (2010-2013)  
- Director, Department of Railways and Highways, MOTC (2008-2010)  
- Director, Transportation Bureau, Taichung City Government (2008)  
- Director General, Transportation Bureau, Taichung City Government (2006-2008)  
- Deputy Chief Engineer, Taiwan Area National Freeway Bureau, MOTC (2005-2006)  
- Director, Taiwan Area National Freeway Bureau, MOTC (1999-2005)  
- Chief Engineer, Taipei City Traffic Engineering Office (1997-1999)
Conference Information - Topic Discussion

Topic Discussion

Main Theme and Topics

Mobility for all: Connecting the World with Accessible Transportation

A Accessible Transportation and Tourism in Air, Land and Water.
   A1 The Impact of Accessible Transportation
   A2 Infrastructure Planning and Gap Identifying
   A3 Studies on Accessibility Across The World
   A4 Unmet Needs on Different Types of Transportation Means
   A5 Universal Design for Public Transportation
   A6 Working on Accessibility: Guide, Assessment and Toolkit
   A7 MRT Focused Discussion
   A8 Accessible Tourism - Advocacy and Innovation
   A9 Accessible Tourism - System and Aids
   A10 Accessible Tourism - Universal Design

B Safe & Sustainable Mobility for Elderly and Persons with Disabilities.
   B1 Studies on Older Adults’ Transportation Behaviors
   B2 The Correlation Between Accessibility and Transportation Behaviors
   B3 Urban Universal Design and Assistive Technologies
   B4 Government Policies and Strategies Responding to Aging Population
   B5 Accessibility Related Legislations
   B6 Transportation Service for Older Adults I
   B7 Transportation Service for Older Adults II
   B8 Special Transport Services
   B9 Discussion On Resilience and Flexible Systems and Aids Design

C Collaboration and Coordination Across Information, Financial and Transportation Services

D Smart City Network & Smart Growth In the Asia Pacific Region and Worldwide.
   D1 Application for Information Provision
   D2 Application for Public Transport and Assistive Technologies
   D3 Autonomous Vehicles and E-hailing Service
   D4 Smart City and Caring Technology

Dr. Pamela Leung is Chief Executive Officer of The Hong Kong Society for Rehabilitation (HKSR).
Through innovation in rehabilitation and empowering people with disabilities or health challenges, the HKSR advocates holistic wellbeing, social participation, and an inclusive and enabling environment. The HKSR has been providing accessible transportation service for frail elderly and persons with disabilities since the 1970s.

Dr. Leung is an experienced social service administrator skilled in nonprofit management, research, clinical social work practice, supervision, and teaching. She has a strong education professional background with a Doctor of Philosophy (Ph.D.) specializing in integrative care and rehabilitation for people with disabilities and health challenges.

She is also Honorary Assistant Professor, Department of Social Work and Social Administration, Honorary Research Fellow of Centre on Behavioral Health and Sau Po Centre on Ageing of The University of Hong Kong.
**Key Qualifications**
Design of CIVIL ENGINEERING STRUCTURES for transport (Rail and Road): Bridges, Retaining Walls, Tunnels Design of Marine and Water Related Structures
Expert on Accessibility for Disabled and Elderly
Geotechnical Engineering
Process Management of Large Infrastructure Projects
Project Management
Road and Highway Design
Systems Engineering
Tunnel Safety

**Membership of Professional Bodies**
1. Transportation Research Board / Member - Standing Committee on Accessible Transportation and Mobility
2. NMBS / Former Member (NMBS Representative), Repair Mortars Butgb
3. NMBS / Former Member (NMBS Representative), Commission for the Transport of Indivisible Goods
4. NMBS / Former Member (NMBS Representative), Belgian Geotechnical Society IABSE
5. Member of IABSE (International Association of Bridge and Structural Engineers)

**Educational Background**
1. Civil Structural Engineer (Master of Science, 2+3 yr Academic Cyclus)
   - RUG, Faculteit Toegepaste Wetenschappen, 1989
2. Civil Engineer in Industrial engineering
   (Masters Degree in Industrial Engineering, postgraduate level)
   - KUL, Faculteit Toegepaste Wetenschappen, 1991
3. Civil Geotechnical Engineer
   (Masters Degree in Geotechnical Engineering, postgraduate level)
   - RUG, Faculteit Toegepaste Wetenschappen, 1996

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**Topic Discussion Session Chair**
**A2-Infrastructure Planning and Gap Identifying**
**A4-Unmet Needs On Different Types Of Transportation Means**

**Peter Cosyn**
Senior Project Manager
Transport Infrastructure Section
Sustainable Cities & Transport department

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**Topic Discussion Session Chair**
**A3-Studies on Accessibility Across The World**

**Joey Goldman**
Master of City Planning, College of Environmental Design, University of California, Berkeley
Co-Chair
Transportation Research Board Committee on Accessible Transportation and Mobility (ABE 60)

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**RECENT EXPERIENCE**
Independent Consultant, 2018
Specializes in:
- Fixed route and paratransit system planning, design, marketing, and branding
- Last-mile transportation solutions
- Accessibility and accessible public information
- US Americans with Disabilities Act and Title VI (Equity) planning and compliance
- Human service transportation policy, planning, and operations
- Research plans, strategic plans, and business plans for transportation programs
- Coordination and consolidation of transit systems and transportation programs
- Public outreach, facilitation, and community engagement

NelsonNygaard Consulting Associates Inc.

**KEY AFFILIATIONS**
- Transportation Research Board Committee on Accessible Transportation and Mobility (ABE60), Co-Chair
- Transportation Research Board Transportation Policy Section (ABE00)
- Transportation Research Board Task Force on Diversity and Inclusion
- Community Transportation Association of America
- San Francisco Planning & Urban Research (SPUR)
- American Public Transit Association
Joseph Kwan has practiced architecture in Australia, United Kingdom and France; and was the Director of an access advisory service in Hong Kong from 1987 to 2005. He founded the practice UDA Consultants Ltd., a specialist consultancy on Universal Design and Accessibility in 2005.

He has over 40 years’ experience in architecture, of which 30 years has been focused entirely on projects in universal design and accessibility to the built environment, transportation and inclusive tourism.

Joseph Kwan is Director of UIA Region IV Work Programme “Architecture for All” since 1999, and currently serving as the UIA Representative to ISO/TC 59/SC 16/WG1 on reviewing of ISO Standard: “Accessibility and Usability of the Built Environment” 2011.

He is the current Deputy Vice-President of Rehabilitation International for Asia Pacific and was the RI-ICTA Global Chair from 2006-16. He was the inaugural Chair of the ARCASIA Committee on Social Responsibility from 2011-14.

He has been invited by the Hong Kong Government as a member for the Housing Authority, Buildings Department, Rehabilitation Advisory Committee and the Equal Opportunities Commission Hong Kong.

Joseph Kwan was engaged as Consultant to prepare universal access strategy for Kuwait, Qatar and Saudi Arabia and is the access advisor to United Nations - Economic and Social Commission for Asia and The Pacific and the Asian Development Bank. He is a Member of International Steering Committee of TRANSED since 2001.

He has lectured globally in 33 countries on universal access and inclusive design, and has been an External Reviewer for the Universities’ Schools of Architecture and Design in Hong Kong.

He is a Recipient of The American Institute of Architects (AIA) Hong Kong Citation and was awarded the Medal of Honour (MH) by the Hong Kong SAR Government for his valuable contributions in improving a built environment that caters for the needs of people with disabilities.

In July 2013, he was elected as a Champion of Inclusive Design Award by the Include Global Network for “achievements in Inclusive Design”, a joint award conferred by the Royal College of Art, London UK; the Hong Kong Polytechnic University and the Hong Kong Design Centre.
Subhash Chandra Vashishth is the Director of Svayam – Global Centre for Inclusive Environments (an initiative of Sminu Jindal Charitable Trust) - an expert organization on accessibility, sensitization on disability equality, access audits of built environment, & training of stakeholders etc. and has been assisting the Accessible India Campaign of the Govt. of India. He is also the Secretary at the Permanent Secretariat TRANSED Conferences and the Chief Coordinator for Svayam Accessibility Awards.

An Accessibility Specialist, Lawyer, Blogger & a Development Professional, based in India, Subhash is passionately engaged in advocacy for inclusion of seniors and persons with disabilities in mainstream through policy reforms, formulation of standards on accessibility, Accessibility Assessment of Built Environment and Services, Legal intervention for Disability Justice & promoting physical accessibility in public infrastructure, ICT & transportation systems.

He is an Expert Member (Accessibility) of the Bureau of Indian Standards (BIS) Committee on National Building Code of India 2016 and has extensively contributed to accessibility provisions in the recently revised building code. He was also on the Core Committee of Ministry of Urban Development, Govt of India for drafting “Harmonization of Space Standards on Barrier-free Environment for Elderly & Disabled Persons”. He has also contributed as a member to the BIS Committee on Smart Cities (CED 59) in preparation of Smart Cities Indicators from the perspective of accessibility in built environment for India.

Subhash is also empanelled with Department of Empowerment of Persons with Disabilities, Ministry of Social Justice & Empowerment, Govt. of India as a Training Provider to train Access Auditors under Accessible India Campaign.
**Topic Discussion Session Chair**

**A9-Accessible Tourism-System and Aids**

**Katharine (Kate) Hunter-Zaworski**

Ph.D. Oregon State University  
MS. University of Tennessee  
B. A.Sc. University of British Columbia  
Associate Professor  
Oregon State University

Dr. Hunter-Zaworski is both a Rehabilitation and Transportation Engineer. She is an Associate Professor at Oregon State University. Her main research activities are related to safe and dignified transportation and improving access to all modes of public transportation, including air and rail travel by people with mobility, sensory and cognitive disabilities. Dr. Hunter-Zaworski is the past co-chair and emeritus member of the TRB Committee on Accessible Transportation and Mobility (ABE60). She is a registered Professional Engineer in Oregon.

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**Ling Suen**

MA, Major in Transportation Planning, School in Community and Regional Planning, University of British Columbia, Vancouver, Canada  
Director  
Transportation Planning, Intelligent Computer Systems and Applications (ICSA) Inc., Canada

L. Suen is a world leader in concept development of universal transportation framework, policy formulation, standard setting, guideline and best practices research and implementation. She has extensive project management experience in the transport sector including local, national and international passenger transportation. She is a renowned transportation manager and researcher and is recognized internationally as an authority in accessible transportation for elderly and disabled persons and multi-modal transport planning with emphasis on urban transportation. She has received numerous awards for her contribution to transportation planning and the Canadian public service over the past 30 years.

As Director, Transportation Planning, Intelligent Computer Systems and Applications (ICSA) Inc., Canada, L. Suen is the principal consultant responsible for all transportation and urban planning practices in diverse projects on strategy, organizational planning, and research management for clients in both public and private transport sectors, in North America and abroad. She is responsible for the company’s pursuit in intelligent (or “smart”) transportation applications for all modes of transport, particularly the travelling public with mobility and sensory impairments, with emphasis on transport safety considerations.

L. Suen has over 30 years of experience working in a matrix setting as project manager responsible for a multidisciplinary team of professionals consisting of engineers, economist, ergonomist, and planners in multi-year research and development programs. In addition, she has line management functions over a diverse staff consisting of professionals, technical and administrative personnel.
Professional Institutions
Fellow of the Chartered Institution of Highways and Transportation (FCIHT)
Fellow of the Chartered Institute of Logistics and Transport (FCILT)

Career
Oct 2011 – present Emeritus Professor of Transport Studies, and Senior Research Associate, Department of Civil, Environmental and Geomatic Engineering, University College London
Oct 1996 – Sept 2011 Professor of Transport Studies, Department of Civil, Environmental and Geomatic Engineering, University College London
Oct 1991 - Sept 1996 Reader in Transport Studies, Department of Civil and Environmental Engineering, University College London

Relevant professional appointments
- US Transportation Research Board (TRB), Member of the Standing Committee on Accessible Transportation and Mobility (ABE60) (15 April 2016 – 14 April 2019).
- Transport Focus – member of the Accessibility Forum (April 2015 to present).
- Disability Action Alliance – member of the Transport Group (July 2014 to present).
- Disabled Persons Transport Advisory Committee (DPTAC) – member of the Committee (April 2014 to March 2020), chairman of the DPTAC Research and Evidence Group (September 2015 to present), member of the DPTAC group advising on Railway Station Accessibility (June 2014 to February 2015), member of the Inclusive Mobility Group (December 2014 to September 2015).
- Age Action Alliance – Chairman of the Transport Working Group (December 2012 to present), and member of the Public Health and Active Lifestyles Working Group (March 2012 to present).
- Chartered Institute of Logistics and Transport – member of the Accessibility and Inclusion Forum (November 2010 to present) and member of the Concessionary Travel Group (November 2011 to present).

Certifications
Certification as Orientation and Mobility Specialist (COMS) by Academy for Certification of Vision Rehabilitation and Education Professionals, (ACVREP) 2010- present

Education
Ohio Wesleyan University, A.B., 1959, Sociology
Boston University, Certificate, 1966, Education of the Visually Handicapped
Boston College, M.Ed., 1971, Peripatology (Orientation and Mobility)
Boston College, Ph.D., 1991, Psychology

Work Experience
2005-present Director of Research, Accessible Design for the Blind, Berlin, MA
2000-2010 Adjunct Associate Professor, Department of Psychology, Boston College
1992-2005 President, Accessible Design for the Blind, Berlin, MA
1990-2000 Adjunct Assistant Professor, Department of Psychology, Boston College
Dr. Shou-Ren Hu received the B.S. degree in transportation and communication management science from National Cheng Kung University, Tainan, Taiwan, in 1989; the M.S. degree in civil engineering from National Taiwan University, Taipei, Taiwan, in 1991; and the Ph.D. degree in civil engineering from Purdue University, West Lafayette, IN, USA, in 1996. He is currently a Professor with the Department of Transportation and Communication Management Science, National Cheng Kung University. His research interests include intelligent transportation systems, transportation network modeling, highway safety, and risk analysis at railway level crossings. Dr. Hu is a Registered Traffic Engineer in Taiwan.
Mr. Sawada graduated from graduate school of Urban Science, Tokyo Metropolitan University. After 4-year experience of consulting company, he moved to the ECOMO foundation. He has engaged in various research and development for regulation regarding to accessible transport in cooperation with Ministry of Transport and disability communities, also engaged in accessibility training program for bus driver and station staff.

Assistant Professor, Dept. of Transportation and Communication Management Science, National Cheng Kung University, August 2016 – Present

Assistant Professor, Dept. of Transportation Science, National Taiwan Ocean University, February 2014 – July 2016
**Conference Information - Topic Discussion**

**Topic Discussion Session Chair**

**B8-Special Transport Services**  
**Rex Luk**  
Director (Accessible Transport and Travel)  
The Hong Kong Society for Rehabilitation

- 1992 - Present  
  Director (Accessible Transport and Travel) of The Hong Kong Society for Rehabilitation.

- 2011 – Present  
  Member of Committee on Accessible Transportation and Mobility, Transportation Research Board, National Research Council, US.

- 2012 – Present  
  Member of Training Committee, Travel Industry Council of Hong Kong.

**Topic Discussion Session Chair**

**B9-Discussion On Resilience and Flexible Systems and Aids Design**  
**Anabela Simões**  
Ph.D  
Full Professor, Universidade Lusófona de Humanidades e Tecnologias

**Education**  
Graduation in Human Kinetics by the Technical University of Lisbon (FMH/UTL)  
PhD on Ergonomics by the Technical University of Lisbon

**Positions**
- Full Professor at Technical University of Lisbon (UTL), Ergonomics Department until December 31st 2005.  
- Head of the Ergonomics Department at UTL from 1997 to 2002.  
- Full Professor at Instituto Superior de Educação e Ciências/Departamento de Ciências e Tecnologias (High Institute for Education and Sciences/Department of Science and Technology) between February 1st 2006 and December 2010.  
- Full Professor at Instituto Superior de Gestão (ISG) between January 2011 and September 2015.  
- Director of the ISG research center (CIGEST) between January 2011 and December 2014, when the research activity has been transferred to the DREAMS research center from the Lusófona University, own by the same economic group.  
- Coordinator of ISG Research at DREAMS (Centre for interdisciplinary development and research on environment, applied management and space) at the Universidade Lusófona since January 2015.  
- Full Professor at Universidade Lusófona de Humanidades e Tecnologias, member of DREAMS and coordinator of Group B since October 2015.

**Scientific Organizations**
- President of the Portuguese Ergonomics Society from 1997 to 2003.  
- Council member of the International Ergonomics Association since 2000.  
- Chair of the Technical Committee on Transport Ergonomics and Human Factors of the International Ergonomics Association since 2008.  
- Former member of the Accessible Transportation and Mobility Committee ABE60 of the Transportation Research Board (TRB) and Co-chair of the Research Subcommittee of the same Committee (between 2010 and 2016).
Shih-Ching Lo was born in Taiwan, 1973. He received his Ph. D. degree in Department of Transportation Technology and Management, National Chiao Tung University, Hsinchu, Taiwan in 2002. His major research interests are traffic flow theory, traffic signal control and dynamic traffic simulation. From 2006 until now, he teaches at Department of Transportation Technology and Logistics Management, Chung Hua University. In 2010, he passed the promotion and became an Associate Professor. Now, he is the chairman of the department.
Mr. NG Hang-sau, a registered social worker awarded Master of Social Work Degree, was the former Chief Executive Officer and currently the Senior Consultant of the Hong Kong Society for Rehabilitation. In his capacity of CEO, Mr. NG has actively involved in the planning of accessible transport and travel services for persons with disabilities and older persons in Hong Kong, Shenzhen and Macao.

Mr. NG actively promotes community-based rehabilitation service, and is familiar with the set up and development of rehabilitation services and ageing facilities in China. He is the Honorary Advisor of the Shenzhen Disabled Persons Federation. Mr. NG is currently a member of the Hospital Governing Committee of Cheshire Home, Shatin, and Advisor of various Patients’ Self Help Groups in Hong Kong.

In addition, Mr. NG has also been the part-time social work supervisor and lecturer in the Department of Social Work in many Universities in China and Hong Kong. Mr. NG received the Distinguished Alumni, in the 60th Anniversary of Department of Social Work and Social Administration, the University of Hong Kong in recognition of his commitment to the profession.

Working experiences since 1985:
- Associate Professor, Faculty of Humanities and Social Sciences, City University of Hong Kong, until 2009
- Senior Research Fellow, City University of Hong Kong; and Principal Advisor on Project to Develop 10 Year Rehabilitation Plan for Macau SAR Government; until October 2016.

Special awards by Government of Hong Kong SAR:
- Bronze Bauhinia Star (BBS) in recognition of my contributions concerning disability both in Hong Kong and in the Region, in July 2005
- Justice of the Peace, Hong Kong SAR, in 1997
- Recipient of Kazuo Itoga Memorial Award by the Shiga Prefecture Government of Japan in 2006 in recognition of contribution to disability work in both Hong Kong and the Region
- “Promoter” of the Asian and Pacific Decade, 2013-2022, awarded by UN ESCAP

Main professional and international community services outside Hong Kong:
- Elected Board Member and Hon. Secretary, 2000-2008, Asian and Pacific Association for Social Work Education.
- Executive Committee member of Rehabilitation International, 2012- present; Chairman of its global Social Commission, 2008-2012; Vice Chairman of its global Social Commission, since 2016; Member of RI Global Centennial Committee, since 2016.
Parallel Session

1. The Practice of Social Innovation for the Common Good Economy on Mobility and Transport for Older Adults and Persons with Disabilities

2. APS & Smart city

3. Accessible, Accountable, and Affordable Considerations for EDP’s Transportation Needs: Taiwan’s Stories

4. Accessible Mobility: Discussion on Vehicles and Tourism

Parallel Session 1
Moderator
Sheng-Tsung Hou
Ph.D, National Chengchi University
Distinguished Professor and Director
Graduate Institute of Public Affairs and Social Innovation, Feng Chia University

Dr. Sheng-Tsung Hou is a Director & Distinguished Professor, Graduate Institute of Public Affairs and Social Innovation of Feng Chia University in Taiwan. He also served as a director for both of Center for Benefit Corporation and Wangdao Management and Center for Service Innovation and Mobility Design. He obtained his MBA and his Ph.D. degree at the Graduate Institute of Technology and Innovation Management at National Chengchi University. His research has been focusing on the co-evolution of technology and organization as well as service innovation and social entrepreneurship. In particular, he has studied the GPS-Dispatching Systems and Location-based Service implemented in the transportation service industry in both Singapore and Taiwan. Before joining academy, he was the general manager of a pharmaceutical company and started up two Internet companies.
I'm currently the CEO of the Advanced Public Transport Research Center, National Taiwan University. My research areas are including transportation planning, transportation policy assessment, green transport, active mobility and ITS. In recent years, I have assisted counties and cities in planning public bicycle systems, actively promoting international cooperation, and has been invited to share Taiwan experiences in several international conferences. Our research results have won several Awards, such as the 14th WCCTR Conference Best Paper Award, and the Galileo Satellite Navigation Competition 2011 Honorable Mentioned.

In Academic, Dr. Tang has published 3 journal papers, 8 book chapters, 32 conferences papers of user experience & service design and its related research for the last 5 years in International Journal of Human-Computer Studies, Design Studies, and Gerontechnology. In design practice, our team has won more than 20 international awards, including IF, Red Dot Best of Best, CHI SDC Gold award, UXA UX Gold Award, SDN Service Design Gold Award. In design education, Prof. Tang, has lectured more than 100 design thinking or UXSD workshops both at school and in industry, helping students to acquire knowledge about user experience & design.
Parallel Session 1

Speaker

Forrence HsingHung Chen
Ph.D., National ChengChi University
Vice Director/Assistant Professor
Center for B Corp and Wangdao Management / Department of International Business, Feng Chia University

Forrence HsingHung Chen is an Assistant Professor at Feng Chia University (FCU) in the Department of International Business in Taiwan. He got Ph.D. from National ChengChi University (NCCU), and majored in Human Resource Management and Organizational Behavior. His studies focus on positive psychology, creativity and innovation, leadership effectiveness, and social enterprise. He has published articles in international journals such as International Journal of Selection and Assessment, Journal of Creative Behavior, and Military Psychology, and peer-reviewed Chinese TSSCI journals such as Soochow Journal of Economics and Business.

For social impact purpose, he joined the project of University Social Responsibility (FCU USR), and played as a main coordinator. This project tries to bridge the gap among teacher, student, and society, and leads students to reach social issues from school. Forrence hopes to sow the seeds of kindness and consideration in student’s mind, and builds a common good community in the near future together.

Parallel Session 2

Speaker

Ming-Hong Hsieh
M.A., Civil Engineering, National Taiwan University
Executive Secretary
Road Traffic Safety Commission/Ministry of Transportation and Communications

Working in the transportation field for nearly 30 years, Hsieh Ming-Hong has many experience in road planning and traffic engineering design, including sidewalks and bicycle lanes and traffic sign systems design. In recent years, he has paid more attention to senior age and barrier-free traffic safety.
Dr. Chao Ching-Hui has been the chairperson of Research, Development and Evaluation Commission (RDEC), Tainan City Government since 2014. She aggressively promotes two emerging missions, Open Government and Smart City, and received positive feedback domestically and internationally. Tainan city has been acknowledged with the Smart City Innovation Application Award, Government Open Data Application Award and was selected as one of the Top 7 Intelligent Communities. Meanwhile, she proactively implemented the Participation Officer Program along with the Executive Yuan to infuse the spirit of open government and direct democracy into the governance of Tainan City.

Dr. Chao Ching-Hui has been the chairperson of Research, Development and Evaluation Commission (RDEC), Tainan City Government since 2014. She aggressively promotes two emerging missions, Open Government and Smart City, and received positive feedback domestically and internationally. Tainan city has been acknowledged with the Smart City Innovation Application Award, Government Open Data Application Award and was selected as one of the Top 7 Intelligent Communities. Meanwhile, she proactively implemented the Participation Officer Program along with the Executive Yuan to infuse the spirit of open government and direct democracy into the governance of Tainan City.

Working in different kinds of the Internet companies and the telecommunications industry, Wu is also active in the open community such as g0v. Found ABCsense, focus on integrating software hardware to develop visually impaired navigation step by step.
After accomplishing Ph.D. degree of Department of Engineering-Economic Systems and Operations Research at Stanford University in 1997, Professor Chu has been teaching at National Dong Hwa University. From assistant professor to tenured professor, Professor Chu has also been awarded as research Distinguished Professor and Merit Award in Teaching several times.

Besides his teaching, academic research, and administration positions, Prof. Chu have been devoted himself on assisting the development of Eastern Taiwan. From 2001 to 2005, he was the Director of Eastern Research Center for Industry development. From 2003 to 2004, he was the Executive Secretary of Incubation Center and the Director from 2004 to 2005. After served as the head of department and dean of international affairs, Professor Chu and several professors, with the supports from government, organized the Eastern Center of Transportation Research and Development in 2015. The main purpose of this center is to promote the utilization of public transportation, to reduce the traffic accidents, and to improve the mobility conditions for the elderly and school-age children for Hualien and Taitung. This center not only has become one of the important think tanks but also lead several projects in improving the transportation conditions for rural areas.

Experience
- 2016.01-2017.12: Research Assistant, University of Maryland, USA 2013.07-till now: Reviewer of IEEE Transactions on Intelligent Transportation System
- 2015.01-2015.12: Postdoctoral Research Fellow, Department of Transportation and Logistics Management
- 2013.08-2013.11: The Technical Program Committee Member in the 3rd International Conference on Consumer Electronics, Communications and Networks

Areas of Specialization
- Intelligent Transport System, ITS
- Traffic Signal Control
- Transportation Management
- Transportation Safety
- Big Data Analysis
As an information scientist and a social entrepreneur, Prof. Dr. Chong Wey Lin has been devoting himself to the research and enhancement of social interface and participation of the disabled and senior citizens through adoption of technologies for more than 15 years. The OurCityLove Social Enterprise which he founded in 2014 is now the leading accessibility information platform in Taiwan and has won more than 112 awards worldwide in the field of assistive technology, smart city, open data, e-governance and transportation.

In the TRANSED2018, Prof. Lin will present OurCityLove’s experience in working open data with government, private businesses and the disabled/senior citizens for the smart integrated services of “9453 Friendly Traveler – Family Accessible Tourism”. This case is selected by APEC2018 Papua New Guinea as one of the most innovative five policy cases because it presents a unique cooperation for invoking and promoting family accessible tourism for the senior and disabled citizens by Taiwan’s leading car manufacturer, the “Yulon Group” and the “OurCityLove Social Enterprise”. From manufacturing Taiwan’s first accessible vehicle for family and taxis to designing detailed traveling accessible information services with the disabled citizens, the “9453 Friendly Traveler” aims not only to encourage the social participation of the elderly, the disabled and their care givers and families, but also to increase their happiness and quality of life. For more information, you could take a look at: http://9453.OurCityLove.com

You could also reach Prof. Dr. Chong Wey Lin via Facebook: http://FB.me/ChongWeyLin

Dr. Sheng-Tsung Hou is a Director & Distinguished Professor, Graduate Institute of Public Affairs and Social Innovation of Feng Chia University in Taiwan. He also served as a director for both of Center for Benefit Corporation and Wangdao Management and Center for Service Innovation and Mobility Design. He obtained his MBA and his Ph.D. degree at the Graduate Institute of Technology and Innovation Management at National Chengchi University. His research has been focusing on the co-evolution of technology and organization as well as service innovation and social entrepreneurship. In particular, he has studied the GPS-Dispatching Systems and Location-based Service implemented in the transportation service industry in both Singapore and Taiwan. Before joining academy, he was the general manager of a pharmaceutical company and started up two Internet companies.
Parallel Session 4
Moderator
Ping-Der Huang
Ph. D. in Vocational and Technical Education, University of Illinois at Urbana-Champaign, USA
Associate Professor, Department of Business Administration, College of Commerce, National Chengchi University (NCCU)
Director, NPO-EMBA Platform Project, National Chengchi University Development Foundation
Board Director, Eden Social Welfare Foundation
Board Director, Carrefour Cultural and Educational Foundation
National Chengchi University
Eden Social Welfare Foundation

Current Position
● Associate Professor, Department of Business Administration, College of Commerce, National Chengchi University (NCCU)

● Director, NPO-EMBA Platform Project, National Chengchi University Development Foundation

● Board Director, Eden Social Welfare Foundation

● Board Director, Carrefour Cultural and Educational Foundation

Related Experiences
● Director, Advisory Board of Taiwan Social Enterprise Fund, 2018-

● Director, EMBA Program, National Chengchi University 2014-2015

● Associate Director, Development Center of Business Administration, National Chengchi University, 2011-2014

● Director, Advanced MBA Program, College of Commerce, National Chengchi University, 2005-2011

● Consultant, World Vision Taiwan, 2008-2009


Parallel Session 4
Speaker
Wen-Cherng Lee
Bachelor of Transportation Department, National Chiao Tung University, Taiwan
Master of Geotechnical & Transportation Engineering, Asian Institute Technology
Senior Specialist
Taipei City Public Transportation Office

● 1987~1994 Civil Engineer of Department of Rapid Transit System, TCG.

● 1994~1997 Group Leader of Public Transit systems Integration in Department of Transportation, TCG.

● 1997~2002 Senior Engineer and Section Chief of Project Construction Management of Public Construction Commission, Executive Yuan.

● 2002~2004 Chief Secretary of Bus Transit Office, TCG.

● 2004~2011 Chief Secretary of Traffic Engineering Office, TCG.

● 2012~2018 Senior Specialist of Public Transportation Office, TCG.
Sylph Yang is the senior planner and special assistant to CEO of Eden Social Welfare Foundation. Her major is communication design thinking. She worked as an editor, reporter, producer, and researcher in different medias, also provided knowledge management services in a number of non-profit organizations or social business departments. In the recent years, she spends most of time on understanding the ideas and practices of social innovation.
Mrs. Xiong hongxia is a well-known figure of helping the disabled in Sichuan province of China. From 2014 to 2017, she has organized several public social welfare activities, which helped more than 200,000 disabled friends to realize their dream of a wonderful tour. Such activities were reported and republished by hundreds of Chinese media, creating a great social impact.

To name a few of those activities:

- A tour to Jiu-Zhai-Gou: Help three hundred disabled people to fulfill the dream.
- I can see the prairie: Help a hundred blind people.
- The first national barrier-free tourism development forum.
- The first national barrier-free survey on the special train for the disabled.

Every Experience Counts

- The Canada Experience
- The Thailand Experience
- The USA Experience
- The Taiwan Experience
Current Position
Easter Seals Inc., Chicago, IL (October 2011-present)
Project Director. Manage and provide technical assistance on various Federal initiatives related to human service transportation and improving access to safe and reliable mobility options for people with disabilities and older adults. Projects include:
National Center for Mobility Management
Inclusive Coordinated Transportation, Transitplanning4all
Asst. Vice President, Education & Youth Transition, Director of Student Engagement
Mobility Management Independent Living Coaches Project

Previous Positions
Education Program Specialist, GS14, U.S. Department of Education, Office of Special Education & Rehabilitative Services, Office of Special Education Programs (OSEP) and Office of Postsecondary Education, Washington, DC. (October 2006 - December 2010).
American Institutes for Research (AIR), Washington, DC (November 1998- October 2006)

Appointments and Service
- Invited Co-chair, Transportation Research Board, Access and Mobility Committee, Policy to Practice Subcommittee (current).
- Advisor, ThinkWork, National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), Rehabilitation Research and Training Center on Advancing Employment for Individuals with Intellectual and Developmental Disabilities, University of Massachusetts, Boston. Contributed content related to workforce-transit connections (current).
- Strategic Advisor, National Disability Mentoring Coalition, Leadership Committee, established a peer mentoring program for youth with disabilities to introduce them to careers in transportation (current).
- WTS International, Advancing Women in Transportation (WTS) (current)
- Evaluation Advisor, National Youth Transitions Collaborative evaluation committee – engaged work regarding mobility management and youth transition (current).
- President-Elect, National Division on Career Development and Transition (current).
- Curriculum Reviewer, IRIS Center, OSEP-funded national center for faculty development. Invited to review transition and contribute content transportation curriculum (current).

Janet Glendenning is the Senior Advisor in the Centre of Expertise for Accessible Transportation at the Canadian Transportation Agency. Ms. Glendenning has been involved in all aspects of the Agency’s work with respect to accessible transportation including the development of the Agency’s standards, monitoring industry compliance with respect to the Agency’s accessible transportation codes of practice; and outreach activities designed to enhance the accessibility of Canada’s federal transportation system.
Panelist  
Nattapong Nualsanit  
Ramkamheang U., M.BA.  
Chiangmai U., B.SC.(Physics)  
Quality Control Manager & Acting Internal Audit Manager  
SRT Electrified Train Co., Ltd. (SRTET), State Railways of Thailand, Ministry of Transport, Thailand

Panelist  
Abraham Zorrilla  
Master of Urban Planning and Environmental Policy, Texas Southern University, Houston, Texas  
Planner  
City of Houston - Planning & Development Department, Houston, Texas

SRT Electrified Train Co., Ltd. (SRTET)  
Duration of Work and Position  
Aug 2009-2011: Safety Manager & Quality Manager  
2011-Now: Quality Control Manager & Acting Internal Audit Manager

Nasco-Hiap Seng Engineering Co., Ltd. (NHE)  
Duration of Work and Position  
Nov 2008 – Aug 2009: Safety Manager

Bangkok Metro Company Limited (BMCL/MRT)  
Duration of Work and Position  
May 2003 - Sep 2008: Safety Rules & Documentation Manager

OKI Data Manufacturing (Thailand) Co., Ltd. (ODMT)  
Duration of Work and Position  
May 2002 - May 2003: Production Control Manager  
May 1997 - May 2002: Quality Planning Manager

04/2015 To present  
City of Houston - Planning & Development Department, Houston, Texas  
Planner  
Analyze planning data entry for activities relating to City ordinances which include but are not limited to Building Lines, Lot Size and Parking in Yards. Prepare technical presentations by collecting and compiling all statistical and graphical information from a broad and varied database for the planning commission, city officials and external partners. Organize community meetings to outreach and educate citizens about different programs to protect their neighborhoods’ character. Provide information assistance and consultation to professional organizations, developers, the business community and the public. Planning activities include data entry, mapping, research, making recommendations, descriptions and compiling information. Provide staff support to the City of Houston Planning Commission and the public. Work as Community Liaison between the Planning and Development Department and the Gulfton community for the Complete Community Initiative. Work well in a team environment and independently.

10/2014 To 04/2015  
City of Houston - WIC Program, Houston, Texas  
Customer Service Clerk  
Answered 140 call per day approximately to explain program qualifications, participants’ responsibilities, policies and procedures and schedule prospect and existing clients for WIC appointments after three weeks of training. I voluntarily developed a recycling program for cans, plastic and glass bottles to be practiced for supervisors and coworkers in the office.
Panelist
Ching-Fu Chen
PhD, Lancaster University, UK
Distinguished Professor and Department Chair
Department of Transportation and Communication Management Science, National Cheng Kung University, Taiwan

Professor Ching-Fu Chen, PhD, is the Department Chair of Department of Transportation and Communication Management Science, National Cheng Kung University, Taiwan. He served as the director-general of Transport bureau, Kaohsiung City Government (KCG), Taiwan from 2013.2 to 2018.7. During his term at KCG, he successfully carried out the privatization project of the city-owned Bus Administration of Kaohsiung city in 2013 and subsequently a series of bus reform strategies. In close collaboration with ICLEI, he is currently leading the project ‘2017 Ecomobility World Festival’ which will take place at Kaohsiung in October, 2017.

Dr. Chen has been in academia for two decades as a professor of transport management at Nan-Hua University and National Cheng Kung University, Taiwan. His research concerns urban mobility, transport economic analysis, and tourism management. He received outstanding research award from the Ministry of Science and Technology (MOST), Taiwan and has published a number publications in main-stream academic journals such as Transportation Research Part A, Transportation Research Part F, Accident Analysis and Prevention, Journal of Travel Research and Tourism Management etc.

Pre-conference & Post conference

Pre-conference Technical Visit
Taoyuan Airport Metro Rapid Transit
- Taoyuan Qinpu Depot
- Taiwan High Speed Rail Museum

Rehab Bus
- Visit National Palace Museum
- Braille transcription hand book
- Tactile map exploration
- Touching the treasures of history

Post-Conference Accessible Tour
Route 1: Half-day City Tour
- National Palace Museum
- Taipei Martyrs Shrine

Route 2: Old Town Tour
- Yingge Ceramics Museum
- Sanxia Old Street
The Center for Assistive Technology Resources and Popularization, Social and Family Affairs Administration, Ministry of Health and Welfare, Taiwan

The Center for Assistive Technology Resources and Popularization (CATR@P) in Taiwan (ROC) is a national center for integration and popularization of resources of assistive technology. It plays a key role on the formulation of national policies of assistive technology and education and development of the assistive technology related affairs. To enhance life quality of people with disabilities, CATR@P assists the central government to improve the provision of services associated with assistive technology, both in quality and quantity.
Pingtung County Government Tourism Rehabus

"Tourism Rehabus Transportation Service" is a paratransit service operated by Pingtung County Government. The service provides public transit services to people with disabilities in Pingtung County who can not only ride Rehabus for basic needs such as medical treatment, rehabilitation, and schooling, but also gain more outdoor and social activities. Therefore, the project of "small rehabus tourized" was first planned in 2016. Starting with the perspective of prevention, this project provides the most suitable transportation services for disabled elderly people traveling with family or for disabled people traveling with friends. It also meets the goals of promoting family harmony, expanding life experiences, and in this case the lives of disabled people can be freer and more respected.

Beatitudes Welfare Association

Sincerely Invite You with Beatitudes Create a New Paradise of Accessible Living for Persons with Disabilities.

OUR SERVICES / ROLES:
A. To promote and advance the rights of People with Disabilities.
B. Consult and market various types of barrier-free living services, including:
   1. Accessible Residential
   2. Accessible Tools and Equipment
   3. Accessible Infrastructure – Environment Friendly
   4. Accessible Transportation (Barrier Free Shuttle)
   5. Accessible Tourism.
C. Play a role as interconnection through on the spot investigation, exchange idea, visitation to unite and link resources with International, as well as China.
D. Provides and establish various kind of printing materials, and also arrange and conduct activities concerning about accessible living issues.

Address: No.5, Ln. 152, Sec. 3, Xinglong Rd., Wenshan Dist., Taipei City 116, Taiwan (R.O.C.)
TEL:+886-2-2239-0789
E-mail:aling0702@gmail.com
Tamkang University is the First University to Recruit Visually Impaired Students in Taiwan. It is also a Key Unit for the Development and Promotion of Blind Aids.

The highlight of this exhibition:
Through AI image identification, video and other technical assistance, it assists the visually impaired people when they go out alone, they can grasp the surrounding environment and objects.

Through text identification, banknote identification and other technologies, it assists the visually impaired people to go shopping and master more information on goods and tickets.

Donkey Move

Door-to-door Pickup Service to Support Long-term Care

Donkey Move aims to establish a barrier-free platform to connect different stakeholders in the society, to remove visible and invisible mobility barriers, and to create a new value exchange system. This door-to-door pickup service platform will help to support Taiwan as Taiwan gradually becomes a super aged society.

For a long time, the government has commissioned private enterprises to provide pickup service for the minority groups who are receiving long-term care. However, there is no unified reservation and dispatch system for the local governments. Hence, Donkey Move aims to become an one-stop platform for dispatching services in various counties and cities and provide door-to-door pickup service in the aged society.

Problem to be solved

1. User: •One portal •Easy to reserve •Friendly notification
2. Call Center: •A platform for long-term care •Meets relevant regulations •Technology for better communication
3. Driver: •Easy to access Apps •Track of service delivery •Reduction of disputes
TRANSED Exhibition ECOMO Booth Short Description

ECOMO foundation is to promote transport accessibility and environment issues such as reducing greenhouse effect gas.

We have research community regarding improvement of mobility, which is made up of 7 companies (Fuji film, Jorudan, Kictec, Lintec, NTT-AT, Panasonic, TOA), named “Research Group of Accessible Technology for Mobility”.

Here is quick information of our exhibition.

Station Signboard with Light Diffusion Film
It realizes high legibility by making use of light source of platform. The film on a signboard controls light diffusion angle, therefore a signboard can be met passenger’s eyes much lighter even though without power supply.

Map for mobility aid with “POPITA”
“POPITA” is like an invisible code with technology of digital watermark which is printed behind a pictogram on the map. It can be read by smart phone camera and provide information for passengers. Combining positioning data on the map, it will offer people with smooth guide to move.

Mechanism of Barrier-Free Information Transmission- Analog + Digital ICT=Creating Integrated Mechanism
“Realizing a society of ubiquitous information for mobility” is aspired in the context of community development of security and safety. In the flow, providing information is necessary not only in the normal situation but in the emergency such as natural disaster. In case of emergency, it is recognized that certain process of providing information is important with making use of integrated technologies.

Robotic Wheelchairs Demonstration at Tokyo International Airport
Developed through a collaboration between Panasonic and WHILL Inc., WHILL NEXT is a mobility robot that enables safe, comfortable transport for Passengers with Reduced Mobility (PRM), whose use of airports is expected to increase. Panasonic has conducted technical trials of the (1)Automatic Stop, (2)Autonomous Mobility and (3)Tandem Movement functions at Tokyo international airport terminal.

Disaster Prevention Slim Speaker - Long Range Slim Array Speaker
It can deliver clear messages at a long distance which is almost double of conventional speaker’s capability, while it is being mounted on a disaster warning system pole as a set of four units covering full 360 degrees thanks to its lightweight design. This solution can resolve typical issues of short-range coverage or sound overlaps caused by multiple speakers located closely each other, which you may experience with conventional speaker systems.

Established at 1994, now Istok-Audio Group is a leader in Russia in development, production and supply of rehabilitation and medical equipment with 40% share of hearing aids and 70% of technical means of rehabilitation in domestic market. Istok-Audio Group is rapidly growing company with powerful production base and high scientific capacity.

Our Mission is to provide advanced rehabilitation solutions for individuals with special needs to improve their life quality and social position.
ABCsense is a local Taiwan team that integrates software and hardware, develops smart APS and visually impaired navigation software to enhance the mobility of visually impaired people.

About Fuhong Society of Macau
Fuhong Society of Macau is a registered non-profit organization in Macau, which is founded by a group of volunteers in 2003. Our organization is now operating 13 service units, providing services for persons with intellectual disabilities, with autism, and psychosocial disability. Our services include vocational training, workshop, supported employment, on-job training, and independent living skills training. Our service users are also supported to find open employment opportunities, in order to develop their personal abilities and let them be independent in the community and use their effort to integrate into the society and received the respect they deserved.

We will host the “the Rehabilitation International (RI) Asia and Pacific Conference 2019”, to be held from 26-28 June 2019 at The Venetian Macao Resorts Hotel on the Cotai Strip, Macau.

Founded in 1922, Rehabilitation International (RI Global) is a worldwide organization comprised of people with disabilities, service providers, government agencies, academics, researchers and advocates working to improve the quality of life of people with disabilities. With member organizations in more than 100 countries and in all regions of the world, RI Global also provides a forum for the exchange of experience and information on research and practice.
National Taiwan Museum, established in 1908, is the oldest museum in Taiwan. The Japanese government wanted to commemorate the opening of the west coast railway and so established the Taiwan Governor Museum on October 24, 1908. At its opening, there were more than 10,000 pieces of collections in the museum. In 1913, funds were collected to build the Governor-General Kodama Gentaro and Chief Civil Administrator Goto Shinpei Memorial Museum at current site. In 1915, after two years of construction, the museum was completed. It is one of the most noteworthy public buildings in Taiwan.

Today, the museum retains the scale it had when it opened. The collection and research continue to focus on the research of anthropology, earth sciences, zoology, and botany. Through themed exhibitions, educational activities, publications, and various cooperation plans, the museum has achieved its educational goal in the society to welcome and serve the public.

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**Danhai Light Rail Transit**

Danhai Light Rail Transportation System was planned in order to relieve traffic jams within the Tamsui District, it is divided into 2 sub-lines including the Green-mountain Line and the Blue-ocean Line. It will be able to provide a greener and more convenient public transportation service to the Tamsui District after it is completed in the future.

**Danhai LRT**

| LENGTH   | about 13.99 km |
| STATIONS | 20 stations totally (11 of Green-mountain Line, 9 of Blue-ocean Line), a machine plant |
| TYPE     | light carrying capacity, has conductor |
| TRAIN    | 15 train, and 5 carriages / train |
| CAPACITY | 265 passengers / train |
A friendly bus service means that the service can be equally and easily accessed by everyone including senior and disabled people. After introducing low-floor bus and bus real-time information systems, these have facilitated a more friendly bus service in Taichung City, Taiwan. However, for a visual impairment, it is still difficult to know when the desired bus service arrives and which approaching bus service it is. Without supplement facility, the visual impairment could not ‘see’ bus real-time information to understand bus arrival time from smartphone app and LED display on bus stop. In addition, the visual impairment could not ‘see’ the approaching bus route number when they are waiting on a bus stop. These all cause a huge barrier for blind and visually impaired people access to bus service. It is also a crucial problem for local authority who takes the responsibility to provide an accessible and friendly bus service for every citizen.

Taichung City will create an APP-oriented supplemented service for blind and visual impaired users. The APP will provide an innovative interactive audio solution in real-time to inform passengers of the arrival of bus service at bus stops. By downloading the free APP, blind and visually impaired passengers can reserve bus service when they arrive at bus stop through the APP. The APP will record the reservation and send the reservation to bus operation center. Standing at the bus stop, the user’s smartphone will ‘speak’, telling of the next arriving bus and stating its number and route destination. Once on board, all users already have audio announcements of the next bus stop, so route management for blind and visually impaired passengers are made easier. The bus operation center will send a message to the bus driver, which will serve the reserved passenger, through bus dispatching system. The bus driver will notice that there is a blind and visual impaired passenger need to be served at which bus stop.
Taiwan Taxi Academy Association (TTAA) is a non-profit organization building upon by taxi drivers, academics and different stakeholders who care about this industry. The purpose of the TTAA is to applying outcomes of academic research to the industry in order to add on new value to the community of taxi drivers. Using taxis as vehicles to offer mobility and flexibility via multiple innovative services, the TTAA provides a platform for the community of taxi drivers with professional trainings and collective learning opportunities. The goal of TTAA is to build a new image of taxi drivers as well as of their services for international and domestic travelers with a friendly, reliable, and caring professional services, through three stages of social innovation process—accompaniment, transformation, and commonwealth.

In order to create a seamless and accessible travel environment based on the concept of Universal Design, the Tourism Bureau, MOTC, ROC (TBROC) is taking many steps to achieve this goal and optimize Taiwan Tourism's advantages. In TRANSED 2018, we will highlight recommended accessible travel destinations within Taiwan's National Scenic Areas, along with related travel information on Taiwan's northern, central, southern, and eastern areas, as well as our outlying islands. At the same time, we will present some interesting recreation opportunities and must-try accessible tours. These include 1) riding handcycles in the 2,167m long “Old Caoling Tunnel” to experience this historic biking trail and enjoy panoramic sea views; 2) taking the “Taiwan Tourist Shuttle - Dragon Palace Treasure Hunt Route” with a low-floor bus to visit the gorgeous sea-eroded terrain within Keelung’s Heping Island Park; 3) traveling on the railway to the terminus of the Jiji tourist railroad at the Checheng Station to explore this central Taiwan area’s historic logging industry and hydropower facilities; and 4) boarding the “TAIMA STAR” passenger ship with its accessible accommodations and sailing to Matsu for a chance to experience its island culture and battlefield history. It truly is “Time for Taiwan,” and we warmly welcome you, along with your family and friends, to explore and enjoy all of our very accessible lands and seas!
Origins of Eden’s Establishment
Liu Hsia (pen name Hsinglintzu, April 12, 1942 — February 8, 2003), was a disabled writer, who answered the call from God and harbored a heart that sympathized with the physically and mentally disabled. She donated her royalties that she accumulated over the years to establish the Eden Social Welfare Foundation on December 1, 1982 with six like-minded friends.

The Eden Social Welfare Foundation holds the mottos of “Serving the Weak to Witness Christ, Promoting Gospel and Welfare to Bring People to God”. We provide our physically and mentally disabled friends with various community welfare services, while spreading the message of Jesus, thus fulfilling our missions of focusing on both good deeds and gospel.

From being the voice of the physically and mentally disabled and fighting for their rights, to a social enterprise model and onto the international stage, the Eden Social Welfare Foundation now has 120 service stations in Taiwan, with 3,000 employees, among whom one-fifth are physically or mentally disabled. We serve over 8,000 cases of dysfunctional families whose economic and marriage situation are threatened by the physical disability of the family members.

Service Contents
Eden Social Welfare Foundation service include vocational training for physically and mentally disabled individuals of adult age, job counseling, emotional therapy, as well as early intervention services for children with delayed development and residential care for seniors. The Foundation steadfastly believes in “providing holistic care throughout life”, providing the physically and mentally disabled with complete services that encompasses body, mind and soul.
Eden Social Welfare Foundation Taipei WanFang Center for Disabled People have dedicated years to provide day care for grown-ups with disabilities. Apart from meeting their needs like self-management and socialization, we also provide training for them to learn new skills. We hope to work towards skills in managing their daily lives and social integration to build a future based on self-reliance and self-development for our service users.

Once they could only stay at home or wait for others to help, but after all the art classes taken in the center, they were able to overcome their physical obstacles and depict the beautiful world in their minds. Although they are slow and their skills are not yet perfect, they never give up. They are truly the “Grand artists”.

With gnarled hands and shaky body, the physically disabled artists overcome all the inconveniences with the spirit of never giving up, and paint out the splendid blue print of life and bravery with bright colors. They are not any different from us if they long for stability and independence in life; they have dreams and expect to have a colorful life. We together can help them to go back to the society again and regain their dignity of life and honor.

Addressing the social care, social changes and needs of wheelchair riders, LUXGEN is striving to shape up a happy and convenient home life and demonstrate the brand vision of “Think Ahead” based on its “people first” business vision by integrating unique and future requirements-anticipating components.

Taking user requirements of the disabled into account, LUXGEN debuts its multi-purpose high roof V7 TURBO ECO HYPER by integrating the M7 TURBO ECO HYPER model’s varying internal space with an even higher rear box for different living scenarios and requirements. Letter “V” stands for enrichment and variation which this model is aimed at for roomy space and diversified development planning in the future.

Being the first model of the V7 TURBO ECO HYPER series, LUXGEN is giving this AV model more convenient mobility for wheelchair riders to outperform user expectations and bring unprecedented riding experiences to both riders and drivers.

LUXGEN V7 high roof accessible MPV can meet diversified user requirements which enable disabled family members to re-enjoy the pleasure of outings. We aim at providing AVs to them at an affordable price addressing the daily life requirements of the aged in the future with easier and more mobility for both the care taker and giver. We hope other service providers including sightseeing, tourism, long-term care services, and accessible taxis will all adopt this model to provide full-service barrier-free transport at relatively lower costs.

We are determined to enhance V7 TURBO ECO HYPER practical value and provide users with the most comfortable and convenient product features based on its brand vision of tailor-made vehicles in Taiwan. LUXGEN is leading and hoping the whole industry will avail itself to accessibility functions in every showroom in Taiwan to practice “love without barriers” at every corner of our society.
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- Parents Association for the Visually Impaired, Taiwan
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International
- Access Exchange International(AEI), The United States of America (USA)
- Asian Disability Forum(ADF)
- Asia Pacific Disability Forum(APDF)
- Caritas Macau
- Eco-Mo Foundation, Japan
- Fu Hong Society of Macau
- Istok Audio Trading, Russia
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