ITS America Highlights

• Non-profit association

• Ecosystem with hundreds of organizations and thousands of contacts
  – Public, Private, and Academia
  – Auto, Telco, IT, Industrial, Consumer Electronics, Logistics
  – Cities, counties, MPOs, states, federal, global
  – Universities, tech centers, multi-disciplinary centers
  – Organized into State Chapters and Technical Forums

• Resources
  – Meeting facilities, webinar/recorded webcast/net meeting service, web 2.0 tools, surveys
Membership Diversity is Our Strength

446 Members from...

- Academia: 28
- Automotive: 8
- Commercial Vehicle: 4
- Contractor: 3
- Environment: 5
- Finance: 6
- Homeland Security: 7
- Information Technology: 26
- Infrastructure: 36
- Legal Counsel: 4
- Nonprofit: 70
- Other: 11
- Public Agencies: 97
- Public Safety: 7
- Public Transit: 24
- Research: 9
- Supplies: 7
- Systems Architecture: 5
- Telecommunications: 14
- Telematics: 14
- Toll Operations: 12
- Transportation Planning: 32
- Traveler Information: 17
Safety Research and Education Needs

• Safety Research
  – V2I Applications
  – ICM with DSS
  – Data Management
  – Wireless spectrum congestion
  – Sustainability

• Education Resources and Needs
V2I Applications

• Referencing DMA and CVRIA for potential applications
  – Traveler information
  – SPAT

• Deployment oriented and impact to local agencies
ICM and/with DSS

• Processes
  – Systems Engineering
  – IT and ICT processes

• Decision Support Systems
  – Understand what it is and how it works

• Multi-modal analysis
  – Incorporating additional modes compared to typical analyses.
Data, Data, Data

• Data Sources
  – Sensors beyond detectors
  – i.e. Chicago sensors

• Data Management
  – Enterprise level
  – Open Data

• Data Analysis
  – Understanding computer programming
  – GIS applications
Wireless Spectrum

- Spectrum management
- Spectrum congestion
- Application exposure
- Security Credential Management System
- Privacy and Cyber-security
Sustainability

• Environmental sustainability
  – evaluation methods
  – Life cycle analysis

• Financial sustainability
  – How to look at the financial health of an organizations

• Social sustainability
  – How do we include disadvantaged areas
Resources Available

• Learning Materials
  – ITS e-Primer
  – PIARC Handbook
  – Knowledge Management

• Professional Capacity Building
  – State Chapter Trainings
  – University Curricula

• National Operations Center of Excellence
Learning Materials
ITS e-Primer (in partnership with ITE)

- Provide an online, knowledge-exchange resource for ITS students and professionals
- 15 chapters describing key ITS topics
- Multi-media examples for each chapter
- Final modules and PowerPoint presentation by November
Learning Material
PIARC ITS Web Resource Development

- International ITS focus with resources and examples
- ITS content focusing on the needs of developing and emerging economies
- Technical editors and module authors from United Kingdom, Egypt, Hong Kong, Finland and United States
- Topics for modules sourced through survey responses from China, Australia, Japan, Lebanon, South Africa, Finland, UK, United States - ITS academics and practitioners
Learning Material
Professional Capacity Building Training

- Define the Professional Capacity Building (PCB) needs of state agencies through ITS America state chapters
- Evaluate the effectiveness of ITS PCB course offerings for ITS professionals in state and local agencies
- **Attendance increased 60% from 2011–2013**
- Organized and conducted four PCB trainings in 2013 with nine more scheduled for the remainder of the year
- **Remote Deliveries available**
Industry and Education

– Career Path Framework

• Clear career path for different levels of jobs in ITS with skillset requirements (planning, design, construction, maintenance, operations, and managers)

• Community College Outreach
Questions

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