ITE resources for current and future ITS professionals

Steven M. Lavrenz, PhD

Institute of Transportation Engineers



What is ITE?

- 15,000 members in 90+ countries
- ▶ 10 districts, 62 sections, 30 chapters, 140 student chapters
- 45% public sector, 45% private sector, 10% academia
- 6 technical councils and 8 standing committees





How does ITE promote ITS and ITS preparedness?

- Technical Councils
- Task Forces
 - CV/AV Task Force
 - Smart Communities Task Force
 - Vision Zero Task Force
 - Transportation & Health Task Force
- Contract products with USDOT and partners
- Deep collaboration with other organizations

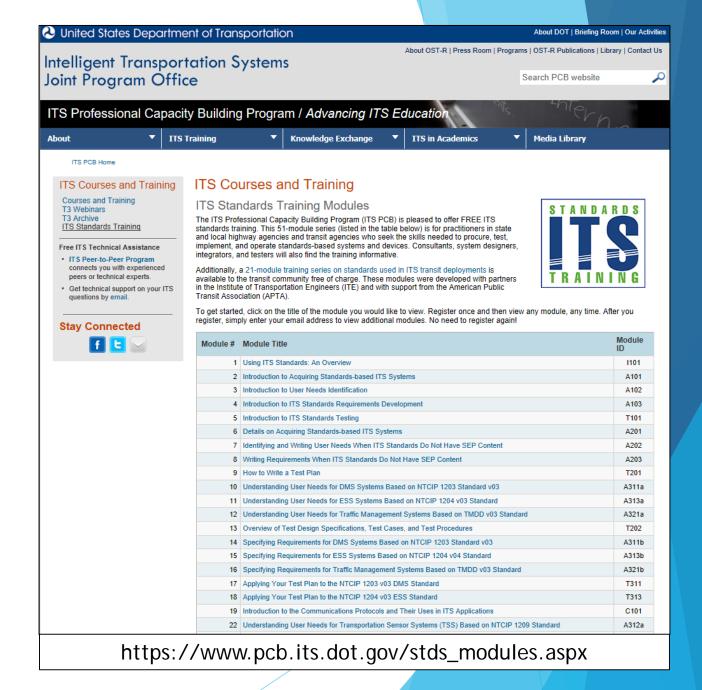
USDOT ITS Standards

- Advanced Transportation Controller (ATC)
- ATC Cabinet (ATCC)
- Traffic Management Data Dictionary (TMDD)
- National Transportation Communications for ITS Protocol (NTCIP)



ITS Standards Training Modules

- Developed with USDOT and APTA
- Free, 90-minute modules related to implementing, operating, maintaining ITS equipment and systems
- 51 modules for general systems, 21 additional modules for transit systems





ITS ePrimer

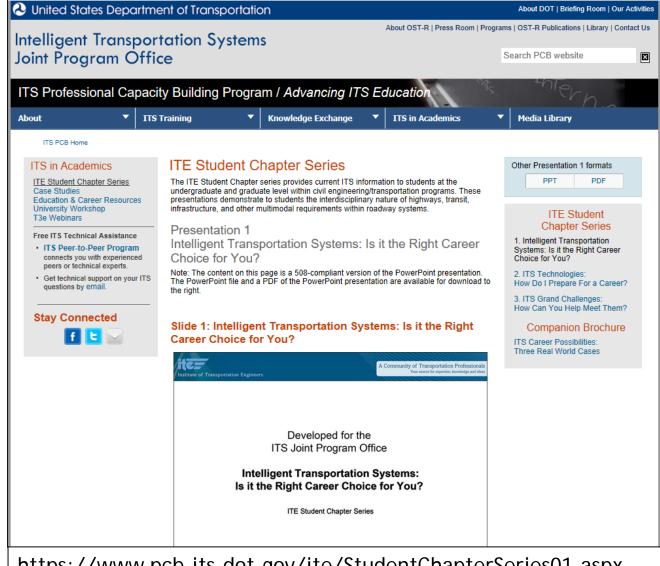
- Developed by USDOT, ITE, ITSA
- Online resource with 14 modules and presentations
- Focus on overall concepts
- Can be adapted for practitioners and educators
- Archived webinars
 - Overview
 - Connected vehicles
 - Transit
 - Operations
 - Freight





ITE Student Chapter Series

- Three-part career preparation/interest series
 - ITS: Is it the right career choice for you?
 - ITS Technologies: How do I prepare for a career?
 - ITS Grand Challenges: How can you help meet them?
- Companion brochure with case studies



https://www.pcb.its.dot.gov/ite/StudentChapterSeries01.aspx



Student & Professional Engagement Programs

Student Leadership Summits





LeadershipITE

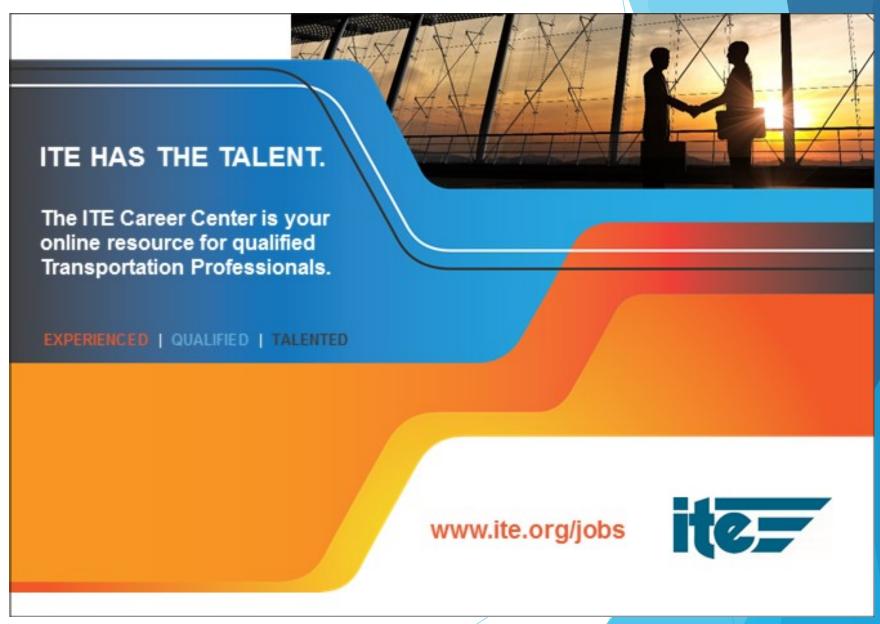








ITE Career Center





ITS-JPO Student Competition

- Student ITS competition, a la "Shark Tank" TV show
- Students are asked to solve real-world problems from DOTs
- Live competition at 2018 ITE Annual Meeting (Minneapolis)
- Task force organized by ITS PCB Academic Team
 - NOCoE: competition information host, provide materials, coordinate judging
 - ▶ ITE: host live competition, assist in judging, advertisement
 - ► ITS America: Assist in judging, advertisement
 - State/Local DOTs: Assist in judging, provide problem statements



Grow your career with the ITE learning hub



Sam Schwartz Sam Schwartz Engineering PLLC President CEO + Founder

ITE Podcast Monthly Series: Thought Leaders



Susan Shaheen Co-Director, TSRC Director, Innovative Mobility Research

Webinar Categories



In the Know



Professional Skills



Fundamentals



Certifications



ICYMI (In Case You Missed It)

PDH Tracking: My Learning Hub





