INTELLIGENT TRANSPORTATION SYSTEMS
PROFESSIONAL CAPACITY BUILDING

The U.S. Department of Transportation (U.S. DOT) Intelligent Transportation Systems (ITS) Professional Capacity Building (PCB) Program is the Department's primary mechanism for educating the transportation workforce about ITS. Housed within the U.S. DOT's ITS Joint Program Office (JPO), the program has provided the transportation workforce with flexible, accessible ITS learning and support through live and on-demand training, technical assistance, and educational resources for over two decades. The program assists current and future transportation professionals in developing their knowledge, skills, and abilities to build technical proficiency while furthering their career paths.

ITS PCB Program Vision

The vision of the ITS PCB Program is to prepare a dynamically knowledgeable community of transportation industry professionals for a connected automated transportation system. The program connects ITS practitioners and decision makers with researchers, educators and trainers, and peers to advance the state of ITS practice.

To help accelerate the adoption of ITS and a connected automated transportation system, connect partners, and coordinate and deliver learning in the most effective and engaging manner, the ITS PCB Program employs multiple strategies, such as:

- Deliver ITS learning in partnership with professional associations, universities, and U.S. DOT modal administrations
- Determine core skills and competency areas needed for ITS professionals
- Provide structured learning directly or through partners in key areas where ITS knowledge is emerging
- Serve as a clearinghouse for learning opportunities
- Facilitate knowledge sharing among researchers, practitioners, and decision makers
- Leverage and connect the expertise needed to transfer research into practice and the marketplace.

Education

Partnerships

CAV Deployment

INTELLIGENT TRANSPORTATION SYSTEMS
PROFESSIONAL CAPACITY BUILDING

U.S. Department of Transportation

ITS PCB Program Audience

The program serves both mid-career and emerging ITS professionals in the public and private arenas, as well as researchers, decision-makers, and other agency staff that are actively engaged in evaluating or implementing ITS technologies.

Developing, deploying, and integrating rapidly evolving technologies requires a capable, well-trained workforce with the skills to create, embrace, and use them. As these technologies progress, the ITS PCB Program aims to ensure the workforce has the new knowledge, skills, and abilities to drive implementation. Its mission is to provide a multimodal and multi-disciplinary capacity building program for all levels of current and future transportation professionals to accelerate preparation for and the deployment of innovative ITS.

Through the ITS PCB Program, public agencies can build and sustain a capable and technically proficient ITS workforce, and transportation professionals can develop their knowledge, skills, and abilities while furthering their career paths.

ITS PCB Program Partners

The ITS PCB Program works in partnership with professional associations, universities, and the training programs of U.S. DOT modal administrations to engage the broad technical and organizational expertise needed to develop and deliver ITS learning.

U.S. Department of Transportation **Training and Academic Organizations** **Professional Associations** **State, Regional, and Local Associations**

The ITS PCB Program has established partnerships with several organizations:

- American Association of State Highway and Transportation Officials
- American Public Transportation Association
- Association of Metropolitan Planning Organizations
- Institute of Transportation Engineers
- Intelligent Transportation Society of America
- National Association of Development Organizations
- National Association of Regional Councils
- National Operations Center of Excellence
- National Highway Institute
- National Transit Institute

Quick Guide to ITS PCB Learning Resources

- **Technical Assistance** – Peer events, Peer Application Clearinghouse, ITS Help Line, Ask-the-Experts, Deployers' Roundtable, training outreach
- **Webinars** – Talking Technology and Transportation, Talking Technology and Transportation in Education, Deployers' Roundtable, partner webinars
- **Academic Support** – ITS case studies; online university ITS curriculum list; supplemental ITS training slides; ITS, connected vehicle, automated vehicle, and connected communities lesson plans and career pathway databank for community college/technical schools and secondary education; ITS Solutions Challenge; University Student Video Challenge; other challenges
- **Workshops** – ITS State Chapter Workshops, federal program-sponsored and other association-sponsored workshops
- **Classroom/Courses** – National Highway Institute live and online courses; courses developed by other partners and third parties
- **Online Training Modules** – ITS standards, ITS transit standards, ITS ePrimer
- **Guidance and Educational Materials** – ITS ePrimer modules, transit technology fact sheets, ITS Knowledge Resources Database

To learn more about this program, visit: www.pcb.its.dot.gov/

J.D. Schneeberger, Program Manager
ITS Professional Capacity Building
(202) 366-8034
John.Schneeberger@dot.gov

INTELLIGENT TRANSPORTATION SYSTEMS PROFESSIONAL CAPACITY BUILDING

U.S. Department of Transportation