



IEEE Intelligent Transportation Systems (ITS) Council, International Collaboration to help People Travel Smarter

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The Institute of Electrical and Electronics Engineers A technical professional association of more than 350,000 individual members in 150 countries.

30 percent of the world's published literature in electrical engineering, computers and control technology





IEEE Dissemination of Knowledge

- Professional Meetings
- Publication of Proceedings
- Peer Review Publications, Transactions
- Rapid Dissemination:
 - Magazines: Paper and Electronic
 - Newsletters: Paper and Electronic



History IEEE Activities



in Intelligent Transportation Systems

Special Issues of the *Transactions on Vehicular Technology* Published in 1970, 1980 and 1990

Vehicle Navigation and Instrumentation Systems Conference IEEE Vehicular Technology Society

> Multiple parallel session conference 1989 Toronto, Ont., Canada

> > 1991 Dearborn MI, USA

1993 Ottawa, Ont., Canada

1994 Yokohama, Japan

1995 Seattle, WA, USA*



History IEEE Activities in ITS



Intelligent Vehicles Symposium IEEE Industrial Electronics Society

Single session, specialists meeting

- 1992 Detroit, MI, USA
- 1993 Tokyo, Japan
- 1994 Paris, France
- 1995 Detroit, MI, USA
- 1996 Tokyo, Japan
- 1998 Stuttgart, Germany





History IEEE Activities in ITS

- 1990 ITS America established by USDOT
- 1991 IEEE Standards Coordinating Committee on ITS standards (SCC-32) established
- 1993 IEEE Technical Activities Board (TAB) approves ITS Committee
- 1994 1st ITS World Congress, Paris, France
- 1996 IEEE funded as a Standards Developing Organization for USDOT
- 1999 IEEE TAB approves ITS Council IEEE TAB approves IEEE Transactions on ITS
- 2000 IEEE Transactions on ITS appears
- 2005 ITS Council becomes the IEEE ITS Society





The ITS Council Members 17 IEEE Societies

- Aerospace and Electronic Systems Society
- Antennas and Propagation Society
- Communications Society
- Computer Society
- Consumer Electronics Society
- Control Systems Society
- Electromagnetic Compatibility Society
- Electron Devices Society
- Industrial Electronics Society





The ITS Council Members 17 IEEE Societies

- Instrumentation and Measurement Society
- Microwave Theory and Techniques Society
- Power Electronics Society
- Reliability Society
- Robotics and Automation Society
- Signal Processing Society
- Systems, Man and Cybernetics Society
- Vehicular Technology Society





IEEE ITSC Field of Interest

The theoretical, experimental and operational aspects of electrical and electronics engineering and information technologies as applied to Intelligent Transportation Systems (ITS).





IEEE ITS Definition

Intelligent Transportation Systems are defined as those systems utilizing synergistic technologies and systems engineering concepts to develop and improve transportation systems of all kinds.

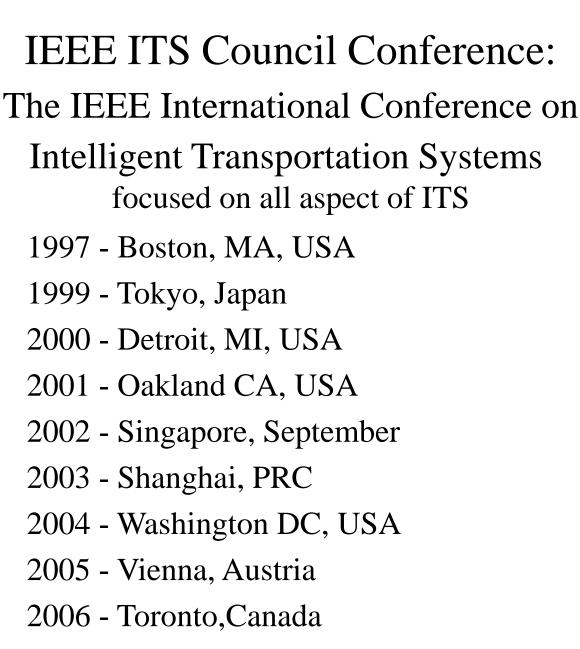




IEEE ITSC Scope

The scope of this interdisciplinary activity includes the promotion, consolidation and coordination of ITS technical activities among IEEE entities, and providing a focus for cooperative activities, both internally and externally.





2007 – Seattle, WA, USA





The 4th International IEEE Conference on Intelligent Transportation Systems





Marriott Hotel, Oakland, California, USA August 25-29, 2001

280 Papers Submitted220 Peer Reviewed Papers Accepted/Published

Praise from the USDOT Director, Office of Travel Management:

"My staff and I where very impressed with the quality of technical program!"



The 4th International IEEE Conference on Intelligent Transportation Systems





Marriott Hotel, Oakland, California, USA August 25-29, 2001

220 Peer Reviewed Papers Accepted/Published from 28 countries, **14 papers from PRC**

Austria, Canada, Czech Republic, Egypt, Finland, France, Germany, Greece, Hong Kong SAR, India, Israel, Italy, Japan, Korea, Mexico, Morocco, Netherlands, **P.R. China**, Poland, Portugal, Singapore, Spain, Sweden, Taiwan R.O.C., USA, United Kingdom, Ukraine, and Uruguay.

Every continent except Antarctica!





IEEE ITS Council Symposium: Intelligent Vehicles Symposium focused on the Vehicle

1999 Tokyo, Japan
2000 Dearborn MI, USA
2001 Tokyo, Japan
2002 Paris, France
2003 Columbus, OH, USA
2004 Parma, Italy
2005 Beijing, PRC