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From the Editor
Shunsuke Kamijo

Dear readers, we have the third issue of 2018 fully loaded with interesting information.

President of our society gives us the Historical Review of the ITS Society in this issue. There are announcements about Call for Nominations for "IEEE ITS Awards" and "Best Ph.D. Dissertation Award" in this issue. We have an introduction for ITS Society Educational Activities. In addition, we increase a new section on ITS Society member's news or achievements.

We have a number of CFPs for IV, ITSC, ICVES and other ITS related conferences coming in 2018 and 2019. This issue also publishes the list of the forthcoming papers in Transaction on ITS, IV and ITS Magazine.

We are also publishing some interesting information about joining our society. Membership has a lot of benefits plus the pride of helping out the ITS Society serving our community and colleagues. Think of it!
Historical Review of the ITS Society

I write this message from my office at the University of Alcalá, a historical university located at the center of Spain. The history surrounding me inspires my message today, no doubt. And this is precisely what I want to talk about, i.e. I would like to write about history, the history of the ITS Society. I am proud to announce that this year we are celebrating the 25th Anniversary of the ITS Society, originally initiated as an IEEE Committee in 1993, led by Chip White, its first Chair. The Committee on Intelligent Transportation Systems became a Council in 2000, being Umit Ozguner the key player of the transition as the last Chair of the Committee and the first President of the Council. We had to wait then until 2005 to see the Council become an IEEE Society, the IEEE Intelligent Transportation Systems Society, in a transition that was commanded by Charles Herget. Since the very beginning, the ITSS started a series of periodicals and conferences that today are world-class references in the field of Intelligent Transportation. As I say, this year we are celebrating one quarter of a century of existence, a first milestone for a young society on a path that I am convinced will be long and fruitful in the coming decades. In this regard, some special celebrations are planned in the framework of the IEEE Intelligent Transportation Systems Conference in Maui, Hawaii, in November 2018, where we expect to welcome most of the past Chairs and Presidents of the ITS Committee, Council and Society. Let’s meet there and celebrate together this great ephemerides. I would like to honor my predecessors by providing you the full list of past Presidents/Chairs of the ITS Committee, Council and Society, respectively. Please, find bellow the list.

IEEE Committee on Intelligent Transportation Systems

1994-1995: Chip White
1996-1997: Rye Case
1998-1999: Umit Ozguner
IEEE Technical Council on Intelligent Transportation Systems

2000: Umit Ozguner
2001-2002: Daniel Dailey
2003-2004: Charlie Herget

IEEE Society on Intelligent Transportation Systems

2005: Charlie Herget
2006-2007: Fei-Yue Wang
2008-2009: Bill Scherer
2010-2011: Alberto Broggi
2012-2013: Christoph Stiller
2014-2015: Matthew Barth
2016-2017: Daniel Zeng

My gratitude to all of them for the way they have contributed to create and consolidate a well-known Society with a brilliant future. As usual, I look forward to meeting most of you at some of our sponsored conferences and events throughout the year. Don’t miss the opportunity to be part of a great society like ours. Thanks for your valuable support.

Sincerely,

Miguel Ángel Sotelo
President. IEEE Intelligent Transportation Systems Society
IEEE ITS Awards

Call for Nominations

The prestigious
- IEEE ITS Outstanding Research Award,
- IEEE ITS Outstanding Application Award
- IEEE ITS Institutional Lead Award

are conferred annually to honor ITS researchers, practitioners, and research/development teams who have made significant contributions to research in ITS related fields (for ITS Research Award), developed and deployed successful ITS systems or implementations (for ITS Application Award), and demonstrated leadership in promoting ITS technologies (for ITS Institutional Lead Award). These awards have been established to recognize, promote, and publicize major research contributions, application innovations with real-world impact, and ITS institutional leadership.

Exemplary contributions to Intelligent Transportation Systems over a career can be recognized through the IEEE ITS Lifetime Achievement Award. To be eligible for the lifetime award, the nominee should be at least 65 years old.

In addition, a new IEEE ITS Young Researcher/Engineer Award is in place to recognize early career contributions and leadership in research and/or application in ITS related fields. Eligible applicants should not be older than 40 years.

Nomination Materials
Each application must consist of the following materials:
1. A 5 page summary statement providing sufficient detail for the evaluation of the innovations and impact of the work.
2. At least 3 letters of recommendation from recognized peer researchers, customers or users of the developed application, and organizations attesting to the work’s significance and impact.

Evaluation
A dedicated selection committee will evaluate all qualified nominations for these IEEE ITS Awards. Awards will be announced in November at the ITSC 2018 conference in Maui, Hawaii where the recipients will give featured presentations of their work.

Submission Deadline
Please submit the nomination materials by email by July 30, 2018 to Brendan Morris, ITSS Vice President for Membership, at brendan.morris@unlv.edu.
IEEE ITSS Best Ph.D. Dissertation Award

Call for Application

IEEE ITSS Best Dissertation Award is given annually for the best dissertation in any ITS area that is innovative and relevant to practice. This award is established to encourage doctoral research that combines theory and practice, makes in-depth technical contributions, or is interdisciplinary in nature, having the potential to contribute to the ITSS and broaden the ITS topic areas from either the methodological or application perspectives.

Application Materials
Each application must consist of the following materials:
1. A doctoral dissertation written by the applicant in any language, no more than 18 months prior to the submission deadline.
2. A summary of the dissertation in English of up to 3 pages in length written by the Ph.D. candidate, highlighting the significance of the problem, the technical approach taken, application context and potential, and the scope of the dissertation.
3. Sample published paper(s) in English based on the dissertation written primarily by the Ph.D. candidate in scientific journals such as the IEEE Transactions on ITS, IEEE ITS Magazine, or IEEE Transactions on Intelligent Vehicles.
4. Listing of all publications by the applicant in the related field(s).
5. A letter of recommendation from the applicant’s dissertation advisor that assesses the significance of the research, attests to the originality of the work, and comments on the engagement of the applicant in the ITS field and the IEEE ITS Society.

Prize and Presentation
The winners will receive a cash prize and invitation to be recognized and present their work in November at the at the ITSC 2018 conference in Maui, Hawaii. Awardees’ work will be featured in ITSS Transactions, ITS Magazine, and ITS Newsletter, when appropriate.

Evaluation
A dedicated selection committee will evaluate all qualified applications for the IEEE ITS Best Ph.D. Dissertation Awards and make selections.

Submission Deadline
Please submit the application materials by email by July 30, 2018 to Brendan Morris, ITSS Vice President for Membership, at brendan.morris@unlv.edu.

<table>
<thead>
<tr>
<th>Place</th>
<th>Prize Amount (USD)</th>
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<tr>
<td>1st</td>
<td>$2000</td>
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<td>2nd</td>
<td>$1000</td>
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<td>3rd</td>
<td>$500</td>
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ITSS Chapter Support Proposal

The society has funds to support Chapter Activities this year. They are meant to support and facilitate meetings such as distinguished lectures. It is expected to cover the cost of airfare and hotel for the speaker. Or it could support student travel costs to an event for example. The awards will be allocated by formal request. The first-round of requests will be due on Jul 20, 2018 and, after this time, requests will be evaluated on a first-come first-served basis. A condition for award is a summary of the event which includes a list of all participants as well as report of the activity and outcomes. The summary will be used for Chapter and Society promotion on the ITSS website and in Society publications like the ITS Magazine or Newsletter, therefore, pictures are requested.

Please use the following form to request support for chapter activities (e.g. distinguished lecturer or chapter meeting). Email the completed proposal form to the VP of Membership <Brendan Morris brendan.morris@unlv.edu> and cc’d to the head of the ITSS President <Miguel Angel Sotelo miguel.sotelo@uah.es>.

The initial proposal deadline is **July 20, 2018**. Applications will be accepted and evaluated on a rolling basis after this date. Acceptance of an award requires submission of a summary report after the event.

A link to the form is on the IEEE ITSS Educational Activities website.
**PROPOSER INFORMATION**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Membership #:</th>
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<tr>
<td>Email:</td>
<td>Phone:</td>
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<tr>
<td>Section Name:</td>
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<tr>
<td>Chapter Name:</td>
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<tr>
<td>ITSS Chair Name:</td>
<td>Email:</td>
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</table>

Proposer’s Current Responsibility: e.g. president, vice-president, etc.

**PROPOSAL INFORMATION**

<table>
<thead>
<tr>
<th>Name of Activity:</th>
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<tr>
<td>Date:</td>
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<tr>
<td>Background:</td>
<td>e.g. is this part of another meeting, a regular conference, etc.</td>
</tr>
<tr>
<td>Objective:</td>
<td>e.g. recruitment, recognition, team-building. Etc.</td>
</tr>
<tr>
<td>Details:</td>
<td>e.g. a schedule of events.</td>
</tr>
<tr>
<td>Expected Number of Participants:</td>
<td>Members:</td>
</tr>
<tr>
<td>Requested Amount:</td>
<td>$ in USD</td>
</tr>
<tr>
<td>Budget Summary:</td>
<td>Provide a brief budget summary documenting how the funds will be utilized.</td>
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EDU ITSS
edu-ieee-itss.org

Enroll now!

- Online short courses in the ITS area
  - Introduction to Intelligent Transportation Systems
  - Introduction to Vehicular Robotic Modeling with V-REP
  - Short Course in Predictive Analytics in ITS
  - Autonomous Vehicles, Platooning and Traffic Flow Control for Connected Vehicles
  - A primer on security and privacy in vehicular ad-hoc networks

- Summer Schools
  - IEEE ITSS Summer School on Cooperative Interacting Automobiles
  - EEE ITSS Summer School on Frontiers in ITS: Transportation 5.0

- ITS Keynotes
  - The 2017 IEEE International Conference on Vehicular Electronics and Safety (IEEE ICVES 2017)

- Support and Coordination of the IEEE ITSS Distinguished Lecture Series
  - Support Request Proposal Form
IEEE INTELLIGENT TRANSPORTATION SYSTEMS SOCIETY

Changing How the World Moves

MOVING FAST

The road less traveled, made famous by American poet Robert Frost’s 1916 poem “The Road Not Taken,” has become much busier for the majority of global citizens.

According to the United Nations, more than 50 percent of the world’s population lives in urban areas. Today, the most urbanized regions include Northern America (82 per cent living in urban areas in 2014), Latin America and the Caribbean (80 per cent), and Europe (73 per cent). And that number is expected to grow.

Keeping people safe as they travel is an imperative – one that has been the mission of IEEE’s Intelligent Transportation Systems Society for nearly 20 years.

From the early days of loop detectors for traffic light signal management to civilian use of GPS, to tomorrow’s connected cars and advanced automation, the ITS industry not only enhances the quality of life, it increases passenger safety and reduces pollution.

JOIN NOW

Become a member of the IEEE ITS Society and join colleagues from around the world, spanning not just continents and countries but multiple disciplines in the ITS field.

ITS Society Membership includes access to ideas, events and colleagues that are moving transportation in a whole new direction.

“The global intelligent transportation system (ITS) market is expected to reach US $66.5 billion by 2024. The usage of ITS to reduce road accidents and increase safety is a major driving force for the ITS market.”

Source: www.businesswire.com

RATES

IEEE members receive special prices for Society memberships. If you are not an IEEE member, you may wish to join as an Affiliate.

<table>
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<tr>
<th>Membership Type</th>
<th>Price</th>
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<tbody>
<tr>
<td>IEEE Professional Member</td>
<td>US $35.00</td>
</tr>
<tr>
<td>IEEE Student Member</td>
<td>US $18.00</td>
</tr>
<tr>
<td>Society Affiliate</td>
<td>US $109.50</td>
</tr>
</tbody>
</table>

sites.ieee.org/itss

more details on reverse
Publications
- IEEE Transactions on Intelligent Transportation Systems (electronic)
- IEEE Intelligent Transportation Systems Magazine (electronic and print)
- IEEE Transactions on Intelligent Vehicles (discounted)
- IEEE RFID Virtual Journal (electronic)
- ITS Newsletter (electronic)
- ITS Podcast

Conferences
The Intelligent Transportation Systems Society hosts several annual conferences offering opportunities to hear first-hand from colleagues around the world who are advancing the field.

- IEEE Intelligent Transportation Systems Conference (ITSC): annual flagship conference covering all things ITS.
- IEEE Intelligent Vehicles (IV) Symposium: premier forum for intelligent and cooperative vehicle research and applications.
- In addition, a number of more tightly-focused conferences take place each year including:
  - International Conference on Vehicular Electronics and Safety
  - Service Operations and Logistics, and Informatics (SOLI)
  - International Conference on Intelligence and Security Informatics (ISI)
  - International Conference on Megatronic and Embedded Systems and Applications (MESA)
  - Forum on Integrated and Sustainable Transportation Systems (FISTS)

Awards
The ITS Society recognizes the accomplishments of members in all aspects of the field from leadership, research, development and implementation.

- IEEE ITS Institutional Lead Award
- IEEE ITS Outstanding Application Award
- IEEE ITS Outstanding Research Award
- IEEE Lifetime Achievement Award
- IEEE ITSS Best Dissertation Award

Educational Offerings
The Society offers a growing range of courses to develop relevant skills for research and industry.

- A Primer on Security and Privacy in Vehicular Ad-Hoc Networks
- Frontiers in ITS: Transportation 5.0
- Introduction to Vehicular Robotic Modeling with V-REP
- Autonomous Vehicles, Platooning and Driver Personalization

Chapters
Leverage local colleagues to enhance your professional network and continue industry connections outside of annual conferences while attending lectures by experts in the field.

Trending Topics
Stay up to date on emerging ideas including:

- Autonomous and cooperative driving
- Transportation communication
- Transportation management
- Smart Cities Initiative
- Driving assistance programs
- Advanced transportation sensing and analysis

The North America ITS industry is anticipated to reach US $26.29 billion by 2024. Increased government focus on passenger safety and implementation of traffic management projects and initiatives are propelling the demand for intelligent transportation system.”

source: www.businesswire.com
Hello Dear Subscribers,

I hope you have a chance to stay away from football fever and spend a short time with your podcast

This episode starts with a short news mini-section by Dr Maryam Kaveshgar, followed by the book reviewed by Prof. Haluk Eren, from Firat University The book title is “Global Mobile Satellite Communications Applications: For Maritime, Land and Aeronautical Applications”, and consists of 652 pages; written by Stojče Dimov Ilčev.

**Volunteer Recruiting Campaign:**

*Dear Listeners, either you are a researcher in Intelligent transportation field or are just interested, don’t hesitate to contact us, we are recruiting volunteers and your help will be highly appreciated. Contact us on our email at: itsspodcast@gmail.com Or just simply message us on any of our social media.*

This podcast is sponsored by IEEE intelligent transportation system society.
IEEE ITS Society Member's News and Achievements

Azim Eskandarian has been named the Nicholas and Rebecca Des Champs Chair in Virginia Tech

Azim Eskandarian, professor and Head of the Department of Mechanical Engineering in the College of Engineering at Virginia Tech, has been named the Nicholas and Rebecca Des Champs Chair in Mechanical Engineering by the Virginia Tech Board of Visitors. Eskandarian is a member of Board of Governors and Executive Committee of IEEE ITS Society. In 2017 he received the IEEE ITS Society’s Outstanding Research Award for his contributions to autonomous vehicle systems.

The Nicholas and Rebecca Des Champs Chair in Mechanical Engineering was established in 2017 in honor of Nicholas and Rebecca Des Champs, who endowed the position with a $2 million gift. Nicholas Des Champs, a Virginia Tech Alumni and member of the ME Department advisory board, enjoyed a distinguished and highly successful career after earning his bachelor’s degree and Ph.D. from Virginia Tech in mechanical engineering in 1962 and 1967, respectively.

Eskandarian has three decades of experience in dynamics/mechanics, controls, and intelligent systems in academia and industry. He is a Fellow of the American Society of Mechanical Engineers and a senior member of the Institute for Electrical and Electronic Engineers. He is an internationally known researcher in the field of autonomous vehicles and vehicle safety with seminal contributions in the related areas. He has been a full professor and Head of the Department of Mechanical Engineering at Virginia Tech since 2015, where he has proven to be an effective leader, with an ability for building consensus and bringing different groups together for the advancement of the department. His efforts have led to new departmental organization, faculty recruiting, and implementation of a strategic plan for the department. Eskandarian has developed strategic directions for the department and started several new initiatives to enhance the quality of scholarship, the student experiential learning, and diversity within the department, and streamlined several departmental procedures with new policies.

In his prior positions for 23 years in academia, he has established, co-founded, and directed two highly successful and productive research centers with government and industry sponsorship, has made significant contributions to developing new academic curricula at both graduate and undergraduate levels and has expanded several international academic exchanges and partnerships leading to both student exchanges and scholarship activities among collaborating institutions.
NOW HIRING!

Review Date: As early as August 31, 2018, until positions are filled.
Learn more: http://www.engr.ucr.edu/about/employment.html

A s i t / A s o c i a t / F u l l P r o f e s s o r
Computer Engineering Position Available

The ECE department at University of California, Riverside invites applicants for an open rank position in the broad area of Computer Engineering including areas such as cyber-physical and autonomous systems, embedded and real-time systems, computer architecture, design automation, and VLSI design. Candidates must have published research of the highest quality and demonstrated exceptional promise for, or a proven record of (in case of senior candidates), high quality research and teaching, securing external funding, and working successfully to benefit a diverse student body.

Details and application materials can be found at the following web pages:
Assistant Professor: https://aprecruit.ucr.edu/apply/JPF00905
Associate/Full Professor: https://aprecruit.ucr.edu/apply/JPF00906

Full consideration will be given to applications received by August 31, 2018. Applications will continue to be accepted until the position is filled.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability protected veteran status, or any other characteristic protected by law.
The 21st International IEEE Conference on Intelligent Transportation Systems
Maui, Hawaii, USA, November 4-7, 2018

The 2018 annual flagship conference of the IEEE Intelligent Transportation Systems Society will be held in Maui, Hawaii, United States. This conference welcomes papers and presentations in the field of Intelligent Transportation Systems, dealing with new developments in theory, analysis, simulation and modeling, experimentation, demonstration, case studies, field operational tests and deployments. ITSC 2018 particularly invites and encourages prospective authors to share their work, findings, perspectives and developments as related to implementation and deployment of advanced ITS applications.

Original contributions and workshop proposals are solicited in all areas pertinent to Intelligent Transportation Systems (see key topic areas at https://www.ieee-itss.org/). All presented papers will be published by the IEEE and included in IEEE Xplore. Please visit ITS Society webpage for more detailed information (https://www.ieee-itss.org/conferences).

Important Dates
Please check our website for the latest Important Dates: http://www.ieee-itsc2018.org

- Workshop and Tutorials Proposals: Februray, 15
- Regular Submissions Deadline: May, 01

Please visit the conference website at http://www.ieee-itsc2018.org for news and updated deadlines. You can also follow us at Twitter (@ITSC2018) and Facebook (ITSC2018).

Journal and Magazine Publication of Selected Papers
Selected papers of exceptional quality will be invited for submission to a special issue of the IEEE Transactions on ITS or the IEEE ITS Magazine. Authors will be asked to revise their papers according to the standards of the Transactions or the Magazine.

Topics - The technical areas include but are not limited to the following:

- Transportation Networks
- Advanced Public Transportation Management
- Ports, Waterways, Inland navigation, and Vessel Traffic Management
- Modeling, Simulation, and Detection of Vulnerable Road Users and Animals
- Air, Road, and Rail Traffic Management
- ITS User Services
- Emergency Management
- Artificial Transportation Systems
- Transportation Electrification
- Emissions, Noise, Environment
- Management of Exceptional Events: Incidents and Evacuation
- Security, Privacy and Safety Systems
- Transportation Smartification
- Deep Learning
- Automation and Robotics
- Commercial Vehicle Operations
- Intelligent logistics
- Sensing, Detectors and Actuators
- Connected and Probe Vehicles
- Big Data and Naturalistic Datasets
- Communication in ITS
- Cooperative Techniques and Systems
- Intelligent Vehicles
- Vision, and Environment Perception
- Electric Vehicle Transportation Systems
- Electronic Payment Systems
- Smart Mobility
- Traffic Theory for ITS
- Modeling, Control and Simulation
- Human Factors, Travel Behavior
- ITS Field Tests and Implementation
- Driver and Traveler Support Systems
- Shared Mobility
The 21th International IEEE Conference on Intelligent Transportation Systems
Maui, Hawaii, USA, November 4-7, 2018

The 2018 annual flagship conference of the IEEE Intelligent Transportation Systems Society will be held in Maui, Hawaii, United States. IEEE Conference on Intelligent Transportation Systems is the premier technical conference for Intelligent Transportation Systems, where people come from all over the world to see and to be seen by a large number of experts in the fields of connected and automated vehicles, advanced driver assistance systems, new traffic management systems, human factors... Please visit conference webpage for more detailed information (http://www.ieee-itsc2018.org).

Become an Exhibitor or Sponsor!

Promote your organization and products in a unique environment where researchers and leading experts meet to share ideas and expertise in improving safety, mobility, and reducing environmental impacts of transportation. Sponsoring and exhibition/demo opportunities are available until October 15, 2018.

Exhibits and demos will be arranged at central locations of the conference, convenient for all attendees to visit. Please visit http://www.ieee-itsc2018.org for exhibit opportunities and benefits.

The ITSC 2018 has four sponsorship categories:

- Platinum sponsor ($20,000 level, five free registrations)
- Gold sponsor ($10,000 level, two free registrations)
- Silver sponsor ($5,000 level, one free registration)
- Bronze sponsor ($1,000 level, recognition at event)

In addition, sponsors can choose to support particular events or during the conference, including the welcoming reception, lunch events, and even the gala dinner. The events can be tailored to your needs and style. Sponsors will be recognized with your logo on signage, website, marketing materials and program and at plenary events during the conference. Make your booking as soon as possible to guarantee your preferred choice of sponsorship! Please contact the sponsor chair: Matt Barth (barth@ee.ucr.edu).

Where Rubber Meets the Road: Linking Research and Practice

ITSS/ITE Joint Symposium on Deployment of Intelligent Transportation Systems to be held in conjunction of 21st International IEEE Conference on Intelligent Transportation Systems, November 4-7, 2018

The IEEE Intelligent Transportation Systems Society (ITSS) and the Institute of Transportation Engineers (ITE) will jointly organize a symposium in conjunction with the 2018 IEEE International Conference on Intelligent Transportation Systems (ITSC). This joint symposium is to bring the research community (ITSS membership community) and practitioners (ITS membership community) to facilitate exchanges on opportunities and challenges in deploying advanced ITS technologies. The symposium will feature two subjects: (1) Smart Communities and Connected/Automated Technologies, and (2) Vision Zero. Please visit conference webpage for more information (https://www.ieee-itsc2018.org/ite-symposium.html).
The 2018 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI 2018) will be held on 31 July – 2 August 2018 in Furama RiverFront, Singapore, jointly organized by IEEE Singapore RFID Chapter and IEEE Singapore ITSS Chapter.

Service science, service operations, logistics, and informatics are playing an increasingly important role in today’s world economy. Information and communications technology provides cyber-infrastructure and platforms to achieve more efficient and productive services operations. New types of service offerings are also emerging to meet the needs of Smart Nation. This conference will provide an exciting opportunity for the academic and industrial communities to address new challenges and share solutions, and discuss future research directions towards a Smart and Sustainable Nation.

Topics interested include but are not limited to the following:
- Artificial Intelligent in Logistic and Sensing Network
- Autonomous Vehicle Technologies
- Big Data and Smart City
- Business Modeling, Monitoring and Management
- Cloud Computing
- Communication Systems and Networks for Smart City
- Cyber Physical Security
- Cyber Security and Data Privacy
- Electronic Commerce and Knowledge Management
- Information and Communications Technology and Systems
- Intelligent Transportation Systems
- Internet of Things
- Logistica and Supply Chain Management
- Mobile Internet, Cyber-Physical-Social Systems
- People in Services
- RFID Tags and Readers from Antennas to Chip Designs
- RFID Technology and Applications
- Robotics Technologies
- Security Urban Transportation Systems
- Sensors and Sensing Network for Smart City
- Service Delivery and Operations
- Service Design, Engineering, Operations, and Innovations
- Service/Event Management and Manufacturing
- Smart Home Technologies

Important Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Paper Submission Deadline</td>
<td>9 March 2018</td>
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<tr>
<td>Notification of Acceptance</td>
<td>7 May 2018</td>
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<tr>
<td>Final Submission Deadline</td>
<td>28 May 2018</td>
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<td>30 April 2018</td>
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<td>15 May 2018</td>
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<td>1 June 2018</td>
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<td>30 June 2018</td>
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The Best Student Paper Contest will be held during the conference. Registered and Presented papers will be submitted for inclusion into IEEE Xplore and indexed by EI Compendex.

The conference welcomes workshops and special sessions to be proposed and organized by senior researchers. Please send your proposals to emdma@ntu.edu.sg for evaluation by the Workshop & Special Session Chair.

You are cordially invited to attend SOLI 2018. For more details, please visit the conference website http://2018.ieee-soli.org. Questions can be directed to 2018soli@gmail.com
The 20th IEEE International Conference on Vehicular Electronics and Safety (ICVES’2018) is an annual forum sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). It is the premier interdisciplinary platform for the presentation of new advances and research results in the fields of intelligent vehicular electronics and safety. It brings together leading academic scientists, researchers and scholars in the domain of interest from around the world.

**Topics**

Authors are invited to submit papers that fall into the area of vehicular electronics and safety. Topics of interest include, but are not limited to, the following:

- Active & Passive Safety Systems
- Telematics
- Vehicular Power Networks
- X-By Wire Technology
- System-On-a-Chip
- Vehicular Sensor
- On-Vehicle Sensor Networks
- Embedded Operating Systems
- Electro Magnetic Compatibility
- Inter-Vehicular Communication
- Vehicle Testing
- Navigation & Localization Systems
- Vehicular Measurement Technology
- Vehicular Signal Processing
- Micro-electromechanical Systems
- Image Sensor
- Vehicle/Engine Control
- Driver Assistance Systems
- Adaptive Cruise Control Systems
- Pattern Recognition for Vehicles

**Paper Submission**

Prospective authors are required to submit their manuscripts electrically through EDAS. Submitted papers shall not exceed six pages as a PDF file in IEEE two column format. Please use the templates at Manuscript Templates for Conference Proceedings available from the conference website to prepare your paper. All presented papers will be published by the IEEE and the conference proceedings will be submitted to the IEEE Xplore® digital library.

**Important Dates**

- **Submission Deadline**: 20th of May 2018
- **Notification Deadline**: 30th of June 2018
- **Camera-ready Deadline**: 23rd of July 2018
The advent of terrestrial positioning systems, the internet of things and human sensor networks providing new navigation functionalities sets a novel paradigm for indoor positioning and navigation solutions. The environment, where navigation technology is expected to work, has extended to challenging indoor spaces and to the context of goods and personal mobility. Globally there is no overall and easy solution. Every year, IPIN gathers over 400 industrial and academic experts in informatics, electronics and surveying to address this challenge. In the footsteps of our Japanese colleagues, we welcome you in France to IPIN 2018 for its ninth edition to discuss scientific and industrial matters, experience geolocation competitions beyond the conference venue and enjoy the historical and cultural heritage of Nantes.

The topics include, but are not limited to:

**Ubiquitous geolocation technologies**
- Self-contained systems
- TOF, TDOA based Localization
- Frameworks for Hybrid Positioning
- Industrial Metrology & Geodetic Systems, AGPS
- Mapping, SLAM
- Indoor Spatial Data Model & Indoor Mobile Mapping
- Applications of Location Awareness & Context Detection
- Health and Wellness Applications
- Benchmarking, technology assessment and standardization
- Wearables and multi-sensors systems

**Connected intelligent urban mobility**
- User Requirements
- Hybrid IMU Pedestrian Navigation & Foot Mounted Navigation
- Human Motion Monitoring
- Optical Systems
- Radar Systems
- Novel uses of maps and 3D building models
- Seamless Innovative Systems
- Location Privacy
- Locations based services and applications

**Indoor location sharing in IoT context**
- High Sensitivity GNSS, Indoor GNSS, Pseudolites
- RTK GNSS with handheld devices
- Mitigating GNSS errors prior to moving indoors
- Signal Strength Based Methods, Fingerprinting
- UWB (Ultra WideBand)
- Passive & Active RFID
- Ultrasound Systems
- Localization, Algorithms for Wireless Sensor Networks
- Magnetic Localization
- Robotic and UAV

**Authors Schedule**
Deadline for regular papers submission: Apr. 30, 2018
Deadline for Work-in-Progress submission: Apr. 30, 2018
Deadline for special sessions proposals: Mar. 30, 2018
Notification of acceptance: Jun. 21, 2018
Submission of final manuscript: Jul. 9, 2018

**Submission**
The submission procedure will be found on the conference website and must follow the guidelines and template given. Authors can consider two types of submissions:
- **Regular Papers** (limited to 8 double-column pages)
- **Work-in-Progress –WIP-** (limited to 4 double-column pages)

All accepted papers will be included in the conference proceedings and regular papers presented at the conference will be also submitted to IEEE Digital Xplore. Manuscripts must be submitted electronically in PDF format, according to online instructions. Both kind of papers will follow a peer review process to decide acceptance.

**Contact for information**
ipin2018@ifsttar.fr
http://ipin2018.ifsttar.fr/
UV2018 Call for Papers

CALL FOR PAPERS | Deadline for paper submission: July 15th, 2018

The International Conference on Universal Village, now in its 4th year, is established as the premier venue in exemplifying a desired future society that pursues human-nature harmony through the wise use of technologies. Universal Village concept signifies that we should follow the law of universe, protect environment/eco-system, understand humans’ need in depth, and innovate new lifestyles, thus providing sustainable happiness for humanity’s future. UV2018, to be held on October 23-24th, 2018 in Boston, USA, will provide leading edge, scholarly sessions for researchers, engineers, and students alike to share their state-of-the-art research and development work in the broad areas in developing Universal Village. The conference will feature a diverse mixture of interactive sessions: core technical sessions of high quality cutting-edge research articles; inspiring keynote speeches; insightful panel discussions from domain experts; and posters representing emerging ideas. UV2018 expected to call for collective effort across multi-disciplinary fields in order to develop collaboration platform, and to find a systematic, coordinated, long-term solution for future. The theme for UV2018 is “Diversity, Mobility and Connectivity for Emergence of Harmony in Universal Village.”

IMPORTANT DATES

- Last day for paper submission: June 1st, 2018 July 15th, 2018
- Notification of paper acceptance starts on: July 1st, 2018 August 15th, 2018
- More details can be found on the Important Dates page.

SUBMISSION GUIDELINES

- Authors can submit SHORT PAPERS (within 4 pages) or REGULAR PAPERS (5-6 pages) in IEEE format.
- The best papers will receive UV2018 Best Paper Award and get published at the journal Frontiers of Computer Science.
- Online submission will be opened at the end of March.
- Papers that have been accepted and presented will be included into the conference proceedings. Authors of accepted papers (or at least one of the authors) are expected to register in full and present their work at UV2018.

For additional information, contact UV2018 Program Committee at UV2018.contact@universal-village.org

UV2018 THEME

Diversity, Mobility and Connectivity for Emergence of Harmony in Universal Village
SECTIONS

1. Intelligent Transportation and Urban Planning
   - Intelligent transportation, intelligent vehicles and its infrastructure
   - Traffic control & management, human-centered transportation
   - Urban planning, human mobility, distribution services, information circulation

2. Healthcare and Well-being
   - Pervasive & non-invasive health-monitoring
   - Personalized healthcare & Intelligent nursery
   - Senior care and assistive technology for mobility-challenged residents
   - Public health: changing trends and emerging new technologies

3. Intelligent Communities & New Life Styles Enabled by Big Data & AI
   - Information & Communication Technology to improve quality of life
     - Social media, education and communication
     - Security, safety, reliability and privacy protection
     - Seamless wireless network, mobile computing, cloud storage
   - Intelligent monitoring & sensing. Robotics for dynamic applications.
   - Integrated energy management & Treatment for zero-emission
   - Response to emergency and global climate change

4. Data Management
   - Big data: data storage, vitalization, visualization, integration and mining
   - Deep learning
   - Human-centered computing & Planning & decision systems.

5. Green Energy and Materials
   - Emergent 3D printing and its applications
   - Energy-saving, greener manufacturing for electric vehicles and building constructions
• Frontier of Artificial intelligence (A.I.) for advanced nanoscale materials development

• Emergent materials for advanced electronic and photonic devices and novel sensors

• Smart materials for ecological systems and health care

• Renewable energy production, capture, storage, and transmission
  - Solar energy: photovoltaics, solar thermos
  - Wind energy: emergent wind turbine materials and novel design, simulations of tornado energy and its applications
  - Hydrogen: solar splitting water, fuel cells
  - Biomass, natural gas, and hydroelectric energy
  - Emergent battery materials and technologies for safer and higher energy density batteries
  - Energy storages and grids

6. Blue Energy and Materials (invited keynote speakers and posters)
• Emergent technologies and devices for ocean wave energy capturing and storage
• Emergently Anti-corrosion materials for blue energy devices
• Challenges in Ocean Energy Storage Grids and Transmission
• Blue Batteries based on the uses of ocean water
• Modeling of the applications of hurricane
• Theoretical simulations of ocean wave energy and its applications

7. Ecological and Environmental Systems
• Innovative agriculture, Green roof
• Ecological economy and strategy
• Integrated solutions & new life styles to eliminate waste & pollution
• Environmental protection and trash management
• Effective microorganism technology

8. Special Sessions
- System integration, implementation and evaluation
- Culture / technology / habits and their changing trends
- Urbanization: impact and challenges. Regional, cultural, and political factors
- Collaboration across companies, governments, universities and different countries
- Entrepreneurship and new investment for new UV technology

♦ 8-A Social Session: Intelligent Modeling and Simulation
♦ 8-B Social Session: Future Intelligent Manufacturing
♦ 8-C Social Session: Effective Microorganisms Technology

9. UV Forums

- UV City Forum
- UV Student Forum
- UV Industry & Entrepreneurship Forum

10. UV Poster Session & UV Exhibition

Organizations / Companies / Startups Welcome
TOWARDS A ZERO DOWNTIME RAIL TRANSPORTATION

Following the successes of past conferences held in Beijing (2013) and Birmingham (2016), the 2018 International Conference on Intelligent Rail Transportation (IEEE ICIRT 2018) will be held in Singapore. The Conference programme includes tutorials and workshops on 12 December and keynote and paper presentations on 13-14 December.

Globally, many cities are rapidly developing and expanding their rail infrastructures, and Reliability and Resiliency are key challenges in urban rail transportation. To address these challenges, the theme for ICIRT 2018 is “Towards a Zero Downtime Rail Transportation”. While zero downtime is not obtainable literally, it should not preclude us from striving to be so. ICIRT 2018 aims to provide a platform for all rail transportation engineers and researchers to share good design practices and R&D outcomes with the objective to work towards this goal. We invite submission of papers on the following topics related to intelligent rail transportation but not limited to:

- Traffic management and train control
- System modelling and simulation
- System optimisation
- Transportation planning and timetabling
- Condition monitoring
- Vehicle dynamics and control
- Capacity analysis
- Privacy and security
- System automation
- Non-destructive testing
- Data modelling and integration
- Communication technology
- Railway infrastructure
- Intelligent rail transport
- Energy modelling & management
- Human factors
- Failure analyses
- Digital rail systems
- Electromagnetic Compatibility

All accepted papers will be included in IEEE Xplore. Paper submission details can be found at https://www.ieee-icirt2018.com/paper-submission.

Important Dates:

- Paper Submissions: 29 June 2018
- Notification of Acceptance: 14 August 2018
- Final Paper Submissions: 23 October 2018

IEEE ICIRT 2018 Secretariat:
Jasmine Leong (Mrs)
121 Paya Lebar Way, #03-2801
Singapore 381121
Tel: +65 6743 2523 | Email: sec.singapore@ieee.org
Website: www.ieee-icirt2018.com
In an industry experiencing great growth at a very fast speed, ERTICO knows how important it is to keep up with the latest technology and to talk with global players to find intelligent transport solutions and integrate smart mobility services in daily lives.

Every year, ERTICO works closely with its Partnership of 120 companies and organisations, and with the international committees from Europe, Americas and Asia-Pacific regions to deliver an outstanding programme, which echoes the mobility issues and transport challenges of modern societies. Some of these challenges, such as an increased urbanisation of cities, the need to limit CO2 emissions and the increase of on demand transport, will be the heart of this year’s event. With the theme “ITS - Quality of Life”, the 25th ITS World Congress will look at how the industry as a whole can contribute to a higher quality of life by improving liveability, making the surrounding environment greener and lowering congestion. Discussions will take place over five days, while exhibitors and demonstrators will showcase ground-breaking results on how their solutions have a positive impact for all people.

The Congress’ three pillars- the Programme, the Exhibition and the Demonstrations- will all have a common thread looking at new mobility services, connected and automated transport, smart freight and delivery of goods, green solutions, satellite technologies and next generation of transport networks.

“ERTICO has recognised these as the most relevant areas in today’s business and policy agendas; we work closely with our Partners to ensure that our common vision towards a safer, smarter and cleaner mobility. The ITS Congress is a great channel for us to promote this vision as well as to meet our overseas colleagues, understand their current work, learn from the solutions they already have in place and what their plans for the future are.” – Jacob Bangsgaard, ERTICO CEO says.

“At the ITS World Congress in Copenhagen we will put emphasis on creative thinking, interaction and dialogue through a variety of sessions. Attendees will have access to innovative ideas and concepts from experts presenting in more than 150 dynamic sessions. Our vision is to enhance the interaction between the speaker and the audience, and thereby increase knowledge and expertise shared between our delegates from around the world” – Didier Gorteman, Congress Director confirms.

There will be more than 400 exhibitors showcasing the latest ITS solutions and most advanced technologies. Over the past 25 years the ITS World Congress exhibition has grown to one of the largest gatherings of its kind in one place across the world. Some of the largest exhibitors already confirmed include ERTICO’s Partners Catapult Transport Systems, Denso Corporation, Dynniq, Here, Honda, Kapsch, NXP, Panasonic, PTV, Toyota, T-Systems, Vedecom, and many others.
Demonstrations and Technical visits are a fundamental part of the Congress, and are one of the most interesting parts of the event. Participants can test new products and services, and experience vehicle technology first hand. They can also join Copenhagen’s most innovative transport organisations on guided tours to experience the complex details of structures and systems backing Europe’s most liveable city.

The 2018 ITS World Congress will attract more than 10,000 participants from over 100 countries, and will feature more than 150 sessions, 400 exhibitors, dozens demonstrations and technical tours, as well as a series of associated events, social occasions and networking opportunities.

Registrations are open, so visit www.itsworldcongress.com to make sure you are part of the action.

Join the conversation on Twitter with #ITSWC18 / @ITS_Congresses and join our ITS Congresses LinkedIn group or visit the Facebook page @ITSCongresses
Intelligent Transportation System

A Special Track of the
13th International Symposium on Visual Computing (ISVC’18)
http://www.isvc.net

November 19-21, 2018, Las Vegas, Nevada, USA

Scope:
The influence of Intelligent Transportation Systems (ITS) has enlarged from increasing capacity and mobility to improving the overall transportation experience through safety, reliability, and sustainability. ITS technologies encompass differs application spaces from sensor for data collection and traffic management, technologies to enable self-driving vehicles, to mobility services. These technologies are paving the way toward better transportation networks which benefit all.

Computer vision technologies have become a valuable asset and a critical component for unlocking the full potential of many ITS related applications. There are a number of challenges to be solved before widespread acceptance of the technology and full integration and utilization in industry. The purpose of this special track is to advance the current state of the art in ITS with respect to visual processing technologies and to highlight successful applications.

Topics:
The topics of interest include, but are not limited, to the following areas:

- Video Surveillance
- Traffic Monitoring
- Autonomous or Semi-Autonomous Vehicles
- Visual Driving Assistance Systems
- Vehicle Detection, Classification, and Tracking
- Pedestrian Detection and Tracking
- Driver Intent Prediction
- Traffic Pattern Analysis
- Mobility Services and Applications
License Plate Recognition
Road Sign Detection and Classification
Urban Driving Assistance Systems
Intersection Safety Monitoring and Analysis

**Paper Submission Procedure:**

Papers submitted to the Special Track must not have been previously published and must not be currently under consideration for publication elsewhere. Manuscripts should be submitted in camera-ready format and should not exceed 12 pages, including figures and tables (see [http://www.isvc.net](http://www.isvc.net) for details). All papers accepted will appear in the symposium proceedings which will be published by Springer-Verlag in the *Lecture Notes in Computer Science (LNCS)* series.

![Springer Logo](image-url)

**Important Dates:**

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<td>Final Camera Ready Paper</td>
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<td>Advance Registration</td>
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<td>ISVC Hotel Reservation</td>
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<td>ISVC’18</td>
<td>November 19-21, 2018</td>
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**Organizers:**

Amol Ambardekar, Microsoft, Bellevue, WA, USA, [amolamb@microsoft.com](mailto:amolamb@microsoft.com)
Brendan Morris, University of Nevada, Las Vegas, Las Vegas, NV, USA, [brendan.morris@unlv.edu](mailto:brendan.morris@unlv.edu)
30th IEEE Intelligent Vehicles Symposium
Paris June 9-12, 2019

The 2019 IEEE Intelligent Vehicles Symposium (IV’19) is a premier annual technical forum sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). It brings together researchers and practitioners worldwide to share and discuss the latest advances in theory and technology related to intelligent vehicles. It welcomes articles dealing with any aspect of intelligent vehicles, as well as proposals for workshops and tutorial sessions.

The workshops will be held in the historical building of MINES ParisTech (downtown Paris in the Latin Quarter) June 9. The main conference venue will be the Palais des Congrès in Issy-les-Moulineaux (easily accessible by metro) June 10-11. And the symposium will end on the test track of Versailles-Satory June 12 where demonstrations will be held.

The 30th Intelligent Vehicles Symposium is organized to offer the best possibilities of exchanges regarding latest scientific and technological developments together with the quality of life in Paris where everything is accessible by walk or metro (3 in 4 inhabitants of Paris don’t have a car).

IV’19 Venues: top the historical buildings of MINES ParisTech (workshops) and right the Palais de Congrès in Issy-les-Moulineaux (main conference venue)
Call for Papers

The 2019 annual flagship conference of the IEEE Intelligent Transportation Systems Society will be held in Auckland, New Zealand. This conference welcomes papers and presentations in the field of Intelligent Transportation Systems, dealing with new developments in theory, analysis, simulation and modelling, experimentation, demonstration, case studies, field operational tests and deployments. ITSC 2019 particularly invites and encourages prospective authors to share their work, findings, perspectives and developments as related to implementation and deployment of advanced ITS applications.

Original contributions and workshop proposals are solicited in all areas pertinent to Intelligent Transportation Systems. All presented papers will be published by the IEEE and included in IEEE Xplore.

Important Dates
Please check ITSC 2019 website for the Important Date updates.

- Invited Session Proposals: 31 Jan 2019
- Invited Session Papers: 31 March 2019
- Regular Papers: 31 March 2019
- Workshop & Tutorial Proposals: 31 May 2019
- Special Session Proposals: 31 May 2019
- Acceptance Notification (all types): 30 June 2019
- Early Bird Registration: 10 July 2019
- Final Paper Submission (all types): 15 July 2019
- Workshops & Tutorials: 27 October 2019
- Conference: 28 – 30 October 2019

Journal and Magazine Publication of Selected Papers
Selected papers of exceptional quality will be invited for submission to special issues of the IEEE Transactions on ITS, or the IEEE Transactions on Intelligent Vehicles or the IEEE ITS Magazine. Authors will be asked to revise their papers in line with the IEEE Publication Policy.

Topics - The technical areas include but are not limited to:
- Air, Road, Rail and Waterways Transportation Network and Systems
- Big Data and Naturalistic Datasets
- Co-operative Intelligent Transportation Systems (C-ITS)
- Deep Learning
- Emergency Management
- Field Trials, Tests and Deployment
- Fleet Management
- Human Factors and Travel Behaviour
- Intelligent Vehicles
- Interconnected Vehicles and Transportation Systems
- Interoperable Multi-modal Transportation Networks and Systems
- Logistics
- Modelling, Control and Simulation Algorithms and Techniques
- Management of Exceptional Events: Incidents and Evacuation
- Multimodal Transportation Networks and Systems
- Products & Services
- Security, Privacy and Safety Systems
- Sensors, Detectors and Actuators
- Smart Mobility
- Traffic Control and Management
Call for Papers
IEEE Transactions on Intelligent Vehicles

The IEEE Transactions on Intelligent Vehicles (T-IV) publishes peer-reviewed articles that provide innovative research concepts and application results, report significant theoretical findings and application case studies, and raises awareness of pressing research and application challenges in the areas of intelligent vehicles, and in particular in automated vehicles.

The IEEE Transactions on Intelligent Vehicles will commence publication in 2017, with 4 issues annually. Prospective authors are invited to submit original contributions or survey papers for review for publication in T-IV. Topics of interest include (but are not limited to):

- Advanced Driver Assistance Systems
- Automated Vehicles
- Active and Passive Vehicle Safety
- Vehicle Environment Perception
- Driver State and Intent Recognition
- Eco-driving and Energy-efficient Vehicles
- Cooperative Vehicle Systems
- Collision Avoidance
- Pedestrian Protection
- Proximity Detection Technology
- Assistive Mobility Systems
- Proximity Awareness Technology
- Autonomous / Intelligent Robotic Vehicles
- IV related Image, Radar, Lidar Signal Processing
- Information Fusion
- Vehicle Control
- Human Factors and Human Machine Interaction
- IV technologies in Electric and Hybrid Vehicles
- Novel Interfaces and Displays
- Intelligent Vehicle Software Security

All manuscripts must be submitted through Manuscript Central at http://mc.manuscriptcentral.com/t-iv

Refer to http://its.ieee.org/2014/10/06/submitting-a-paper/ for general information about electronic submission through Manuscript Central.

Editor-in-Chief: Prof. Ümit Özgüner, The Ohio State University, Department of ECE and Center for Automotive Research (CAR), Columbus, Ohio USA. (ozguner.1@osu.edu)
Conference Calendar

By Haluk Eren, PhD. Firat University, Turkey.

This section lists upcoming ITS-related conferences, workshops, or exhibits. Contributions are welcome; please send announcements to http://goo.gl/forms/xpgl8WLt9F

IEEE Intelligent Transportation Systems Society’s Sponsored Conferences

August 26-29, 2018
Quebec City, Canada
https://www.asme.org/events/idetccie

IEEE 21st IEEE International Conference on Intelligent Transportation Systems (ITSC 2018)
November 4-7, 2018
Maui, Hawaii, USA
https://www.ieee-itsc2018.org/

IEEE International Conference on Vehicular Electronics and Safety (ICVES 2018)
September 12-14, 2018
Madrid, Spain
http://www.icves2018.org/

IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI 2018)
July 31-August 2, 2018
Furama RiverFront, Singapore
http://2018.ieee-soli.org/

IEEE Forum on Integrated and Sustainable Transportation Systems
Beijing, China
https://www.ieee-itss.org/fists
Submission due for the next event: To be determined
The 4th International Conference on Universal Village (UV2018)
October 23-24, 2018
Boston, USA
http://www.universal-village.org/
Submission due by: July 15, 2018

7th International Conference on Advanced Logistics and Transport (ICALT)
December 9-12, 2018
ÉTS, Montreal, Canada
http://icalt.org/2018/
Submission due by: June 30, 2018

2018 IEEE International Conference on Intelligent Rail Transportation (IEEE ICIRT 2018)
December 12-14, 2018
Marina Bay Sands, Singapore
https://www.ieee-icirt2018.com/
Submission due by: June 29, 2018

IEEE Intelligent Conference on Intelligence and Security Informatics (ISI)
November 9-11, 2018
Miami, Florida, USA
http://www.isi-conf.org/
Submission due by: July 20, 2018

IEEE Vehicular Networking Conference (VNC)
December 5-7, 2018
Taipei, Taiwan
http://www.ieee-vnc.org/
Submission due by: August 24, 2018

Other Conferences

SAE Battelle CyberAuto Challenge
July 22-27, 2018
Detroit, Michigan, USA
http://www.sae.org/events/cyberauto/

The 23rd International Symposium on Transportation and Traffic Theory (ISTTT23)
July 24-26, 2019
Lausanne, Switzerland
https://isttt23.sciencesconf.org/
NRITS National Rural ITS Conference
Fort McDowell, Arizona, USA
October 21-24, 2018
http://www.nationalruralitsconference.org/

IEEE Multi-Conference on Systems and Control
http://msc2016.ieeecss.org/
Submission due for the next event: To be determined

October 1-5, 2018
Madrid, Spain
https://www.iros2018.org/

ITS World Congress 2018
September 17-21, 2018
Copenhagen, Denmark
http://itsworldcongress2018.org/

Seminars and Dagstuhl Perspectives Workshops 2018
https://www.dagstuhl.de/en/program/calendar/

February 25-27, 2019
Prague, Czech Republic
http://www.visigrapp.org
Submission due by: October 1, 2018

International Conference on Connected Vehicles & Expo (ICCVE)
November 4-8, 2019
http://www.iccve2019.com/
Graz, Austria
Submission due: To be determined

Intertraffic Amsterdam 2020
April 21-24, 2020
Amsterdam, The Netherlands
http://www.intertraffic.com/amsterdam/

WCX18: SAE World Congress Experience
April 9-11, 2019
Detroit, Michigan, USA
http://wcx18.org/
5th International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS 2019)

May 3-5, 2019
Crete, Greece
http://www.vehits.org/
Submission due: December 10, 2018

IEEE International Conference on Robotics and Automation (ICRA 2018)

Brisbane, Australia
http://icra2018.org/
Forthcoming papers on IEEE Transactions on ITS

Towards Approximating the Mean Time to Failure to Vehicular Clouds
Ryan Florin, Aida Ghazi Zadeh, Puya Ghazizadeh, Stephan Olariu

Opinion Dynamics Based Vehicle Velocity Estimation and Diagnosis
Ehsan Hashemi, Mohammad Pirani, Amir Khajepour, Baris Fidan, Alireza Kasaiezadeh, Shih-Ken Chen

Automatic Pavement Object Detection using Superpixel Segmentation Combined with Conditional Random Field
Waqas Sultani, Soroush Mukhtari, Hae-Bum Yun

METANET Validation of the Large Scale Manchester Ring-Road Network Using Gradient Based and Particle Swarm Optimisation
Adam Poole, Apostolos Kotsialos

Christos Korkas, Simone Baldi, Shuai Yuan, Elias Kosmatopoulos

Three-Phases Smartphone based Warning System to Protect Vulnerable Road Users under Fuzzy Conditions
Roya Bastani Zadeh, Mehdi Ghatee, Hamid Reza Eftekhar

Energy-Efficient Timely Transportation of Long-Haul Heavy-Duty Trucks
Lei Deng, Mohammad Hajiesmaili, Minghua Chen, Haibo Zeng

A Game Theoretic Solution For The Territory Sharing Problem In Social Taxi Networks
Haitham Amar, Otman Basir

Real-Time Intersection-based Segment Aware Routing Algorithm for Urban Vehicular Networks
Yusor Al-Mayouf, Omar Mahdi, Suleman Khan, Muhammad Ismail, Nor Abdullah, Mohsen Guizani, Syed Hassan Ahmed
Special Issue on Advances in Smart and Green Transportation for Smart Cities
Soufiene Djahel, Guest Editor
Christoph Sommer, Guest Editor
Annapaola Marconi, Guest Editor

Multi-Area Self-Adaptive Pricing Control in Smart City with EV User Participation
Yongquan Nie, Xiaolin Wang, and Ka Wai Eric Cheng

Mobility-Aware Vehicle-to-Grid Control Algorithm in Microgrids
Haneul Ko, Sangheon Pack, and Victor Leung

Autonomous Vehicle Logistic System: Joint Routing and Charging Strategy
James J.Q. Yu and Albert Lam

A Novel Infrastructure-based Worm Spreading Countermeasure for Vehicular Networks
Azzedine Boukerche and Qi Zhang

CreditCoin: A Privacy-Preserving Blockchain-based Incentive Announcement Network for Communications of Smart Vehicles
Lun Li, Jiqiang Liu, Lichen Cheng, Shuo Qiu, Wei Wang, Xiangliang Zhang, and Zonghua Zhang

Force-Driven Traffic Simulation for Future Connected Autonomous Vehicle-Enabled Smart Transportation System
Yuming Zhang, Guohui Zhang, Rafael Fierro, and Yin Yang

Detecting On-Street Parking Spaces in Smart Cities: Performance Evaluation of Fixed and Mobile Sensing Systems
Cristian Roman, Ruizhi Liao, Peter Ball, Shumao Ou, and Martin de Heaver

High-Throughput Infrastructure for Advanced ITS Services: A Case Study on Air Pollution Monitoring
Jose Cecilia, Isabel Timon, Jesús Soto, Jose Santa, Fernando Pereñiguez, and Andrés Muñoz

A stigmergy-based analysis of city hotspots to discover trends and anomalies in urban transportation usage
Antonio Alféo, Mario Cimino, Sara Egidi, Bruno Lepri, and Gigliola Vaglini

A Network Tomography Approach for Traffic Monitoring in Smart Cities
Ruoxi Zhang, Sara Newman, Marco Ortolani, and Simone Silvestri

Bikeshare Pool Sizing for Bike-And-Ride Multimodal Transit
Guoming S. Keshav, Lukasz Golab, and Kui Wu

Boosting Ride Sharing with Alternative Destinations
Vincius Cezar Monteiro de Lira, Chiara Renso, Raffaele Pergo, Salvatore Rinzivillo, and Valeria Cesario
Forthcoming papers on IEEE Transactions on ITS

Special issue on Connected vehicles in Intelligent Transportation Systems
Reza Malekian, Managing Guest Editor
Kui Wu, Guest Editor
Kris Steenhaut, Guest Editor
Rune Hylsberg Jacobsen, Guest Editor
Mónica Aguilar Igartua, Guest Editor

Predicting Long-term Trajectories of Connected Vehicles via Prefix-Projection Technique
Shaojie Qiao, Nan Han, Junfeng Wang, Ronghua Li, Louis Gutierrez, Xindong Wu

Application of Real Field Connected Vehicle Data For Aggressive Driving Identification on Horizontal Curves
Arash Jahangiri, Vincent Berardi, Sahar Ghanipoor Machiani

Cooperative and Integrated Vehicle and Intersection Control for Energy Efficiency (CIVIC-E<sup>2</sup>)
Yunfei Hou, Salaheldeen Seliman, Enshu Wang, Jeffrey Gonder, Eric Wood, Qing He, Adel Sadek, Lu Su, Chunming Qiao

Smarter Cities with Parked Cars as Roadside Units
Andre Braga Reis, Susana Sargento, Ozan Tonguz

Vehicle Tracking Using Surveillance with Multimodal Data Fusion
Yue Zhang, Bin Song, Xiaojiang Du, Mohsen Guizani

Cost-Effectiveness of Sharing Roadside Infrastructure for Internet of Vehicles
Alexandre Ligo, Jon Peha

Ecological Driving System for Connected/Automated Vehicle using a Two-Stage Control Hierarchy
Ke Huang, Xianfeng Yang, Yang Lu, Chunting Mi, Prathyusha Kondlapudi
Forthcoming papers on IEEE Transactions on IV

Robust, Informative Human-in-the-Loop Predictions via Empirical Reachable Sets  
Katherine Driggs-Campbell, Roy Dong, Ruzena Bajcsy

Balancing Computation Speed and Quality: A Decentralized Motion Planning Method for Cooperative Lane Changes of Connected and Automated Vehicles  
Bai Li, Youmin Zhang, Yiheng Feng, Yue Zhang, Yuming Ge, Zhijiang Shao

Integrating Driving Behavior and Traffic Context through Signal Symbolization for Data Reduction and Risky Lane Change Detection  
Ekim Yurtsever, Suguru Yamazaki, Chiyomi Miyajima, Kazuya Takeda, Masataka Mori, Kentarou Hitomi, Masumi Egawa

Mixed Integer Linear Programming for Optimal Scheduling of Autonomous Vehicle Intersection Crossing  
Alireza S. Fayazi, Ardalan Vahidi

3D LiDAR + Monocular Camera: an Inverse-Depth Induced Fusion Framework for Urban Road Detection  
Shuo Gu, Tao Lu, Yigong Zhang, Jose Alvarez, Jian Yang, Hui Kong

A Learning-based Stochastic MPC Design for Cooperative Adaptive Cruise Control to Handle Interfering Vehicles  
Hadi Kazemi, Hossein Nourkhiz Mahjoub, Amin Tahmasbi-Sarvestani, Yaser Fallah

Cooperative Autonomous Vehicles: an Investigation of the Drop-Off Problem  
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