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SOCIETY NEWS

From the Editor
Javier Sanchez-Medina

As every year, our July’s issue brings along quite a few exciting news about interesting conferences, awards and our ITS Society’s BoG elections. Please, have a look at them and spread the voice!

As a side note, I’m very happy to share some great news coming from our sister publication the IEEE ITS Magazine, and its inclusion in the JCR index report. The JCR 2014 has just been updated:

- Impact Factor: 0.821
- Position in Transportation Sciences: 22/32
- Position in Electrical & Electronic Engineering: 162/249

We are eager to listen your suggestions for contents of this Newsletter. We have enabled a Google form for you to send them here: http://goo.gl/forms/xpgl8WLt9F You can send us ITS related conferences, news, etc. We are aiming at making this Newsletter the publication you need!
Vehicle Electrification and Intelligent Transportation Systems

As a means to reduce environmental impacts and to improve energy independence, we have seen a surge in recent years towards an increase of electric, hybrid electric, and plug-in hybrid electric vehicles. Currently these vehicles only have a small market share, but if the price of gasoline continues to increase or if there are major shifts in world energy, environmental, and climate policies, the number of electric vehicles we see on the road will likely increase.

The IEEE has been closely monitoring vehicle electrification for years. In fact, a Transportation Electrification Initiative was started over three years ago as part of the IEEE’s Future Directions Committee (see http://www.ieee.org/about/technologies/index.html). Because the field of vehicle electrification covers many different areas of electrical engineering, many different IEEE societies have been involved in this initiative, including power electronics, vehicular technology, intelligent transportation systems, consumer electronics, and industrial electronics, to name a few...

Earlier this year, IEEE has transitioned this initiative to a formal Transportation Electrification Community (TEC, see http://electricvehicle.ieee.org/). This TEC has a vision of “providing a neutral forum of exchange and collaboration to build professional networks, foster relationships, and encourage participation among the Transportation Electrification community worldwide”. The TEC is now a permanent part of IEEE and is made up of seven core IEEE societies that provide the leadership to meet the challenge of providing the technical expertise, finances, and governance of the TEC. The seven societies include: Power Electronics (PELS), Industry Applications (IAS), Intelligent Transportation Systems (ITSS), IEEE Standards Association, Power and Energy (PES), Consumer Electronics (CES), and Industrial Electronics (IES). In addition, a number of other IEEE “affiliates” have joined this important effort.

The leadership of our ITS society felt that it was important to be engaged in the TEC since it touches on a number of important ITS research topics. I have been going to our various ITSS conferences now for many years, and there are often a number of ITS papers dealing with electric vehicle technology. Examples include publications on the topic of EV controls and sensing, optimal battery charging algorithms, real-time in-vehicle energy management, EV route planning, and even energy pricing. In addition, we are now starting to see papers dealing with not only electric vehicles and transportation systems, but also those dealing with smart grids and
intelligent energy systems.

I believe that transportation electrification will be an increasingly important part of ITS for many years. Transportation systems as a whole greatly affect the operation of electric vehicles, and vice versa. Because today’s EVs often suffer from range limitations, we need to be able to identify the transportation systems where they can best operate. We need to know how and where to place distributed public charging infrastructure. Further, roadway electrification may be a common thing in the future. Specific EV routing algorithms will likely be commonplace. Hybrid energy management based on transportation factors will also be critical. Lastly, wireless communication with electric vehicles will be increasingly valuable, since real-time operational data will help in the design and improvement of these vehicles as they emerge as a larger sector of our vehicle fleet.

This year, at our ITS Conference in September, we will have a keynote talk on this TEC effort, provided by Professor Philip Krein from the University of Illinois. I look forward to seeing the IEEE Transportation Electrification Community grow, and I am proud that the ITS Society is part of it.

Matt Barth
IEEE ITSS President, 2014-2015
Dear IEEE ITS member:

Under the IEEE Intelligent Transportation Systems Society Bylaws, 15 Governors are elected by the membership to manage the Society’s resources, represent the Society within IEEE and arrange for technical publications, conferences and other benefits to the members. The Governors serve for three years, with five Governor positions opening up each year.

To decide on the activities of the Society, Governors shall actively participate in the Board of Governors (BOG) meetings, which are generally scheduled either as a teleconference or back to back with our flagship conferences, the IEEE Intelligent Vehicles Symposium and the IEEE Intelligent Transportation Systems Conference. You can see our current Governors here:

http://sites.ieee.org/itss/introduction/board-of-governors/

Please nominate appropriate candidates for these positions.

Nominations (including self-nominations) shall be sent via email to stiller@kit.edu with subject ‘ITSS BOG Nomination’. Each nomination must include at least the full name and the email address of the nominee. Format must be in plain text. BoG candidates must be members of the IEEE ITS Society.

Timeline:
- Receive Nominations BEFORE SEPTEMBER 1, 2015 (sharp deadline) possibly together with a brief CV and a short statement on their goals for the ITS Society. In case the candidate was already part of the Board of Governors, please also describe how he/she served the Board in the past.
- A list of candidates will be established by the ITSS Nominations & Appointments Committee
- IEEE will contact all IEEE ITSS members (postal mail or email) and ask for a ballot vote (generally in the October timeframe)
- New elected Governors will start their term on Jan. 1, 2016 and will conclude their service on Dec. 31, 2018.

Thanks again for your attention to this important matter,

Christoph Stiller (stiller@kit.edu)
Past President IEEE ITS Society
Chair for Nominations and Appointments

IEEE ITS Society Board of Governors Elections
IEEE ITS Outstanding Research Award
IEEE ITS Outstanding Application Award
IEEE ITS Institutional Lead Award

Call for Nominations

The prestigious

- IEEE ITS Outstanding Research Award,
- IEEE ITS Outstanding Application Award, and
- 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.

Nomination Materials

Each nomination must consist of the following materials:

1. A 5-page summary statement providing sufficient detail for evaluation of the innovations and impact of the work.
2. At least 3 letters of recommendation from the 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 September 2015 at the ITSC 2015 conference in Las Palmas de Gran Canaria, Spain, where the recipients will give featured presentations of their work.

Submission Deadline (Extended)

Please submit the application materials by email before **July 19, 2015** to ITSS Vice President for Membership at brendan.morris@unlv.edu.

Brendan Morris
VP for Membership
IEEE ITSS Best Ph.D. Dissertation Award

Call for Applications

**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 or the IEEE ITS Magazine.
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 September 2015 at the ITSC 2015 conference in Las Palmas de Gran Canaria, Spain. Awardees’ work will be featured in ITSS Transactions, ITS Magazine, and ITS Newsletter, when appropriate.

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**Evaluation**

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

**Submission Deadline (Extended)**

Please submit the application materials by email before **July 19, 2015** to ITSS Vice President for Membership at [brendan.morris@unlv.edu](mailto:brendan.morris@unlv.edu).

Brendan Morris
VP for Membership
ITS Podcast

ITS Podcast New Episodes

Please, circulate this!

We have a few interesting new episodes online for your enjoyment!

**ITS Podcast Episode 25: Second Anniversary with Dr. Wagner, talking about SUMO**

We prepared a special episode to celebrate the second anniversary of the ITS Podcast with a few novelties. We had a special news minisection where Dr. Maryam Kaveshgar summarized some of the most outstanding achievements we have witnessed in Intelligent Transportation in the last two years, since this publication exists.

Then, Mehran Shirazi introduced a new minisection called “Amazing Transportation” where he talked about some rather unusual yet surprising jobs related to Transportation.

We also had a very illustrative interview with Dr. Peter Wagner about SUMO, a brand new approach to traffic simulation very much in the line of an open software philosophy. This interview was brilliantly performed by prof. Celikoglu.

**ITS Podcast Episode 26: In the Passenger Seat of an Autonomous Car with Mr. Elbanhawi and Dr. Olaverri-Monreal**

In this episode’s centre ring we have Dr. Cristina Olaverri-Monreal conducting a fantastic interview about how will it be like being a passenger in an autonomous vehicle. Her interviewee, Mohamed Elbanhawi, PhD Candidate at RMIT University down under, and leading author of a recent IEEE ITS Magazine paper titled “In the Passenger Seat: Investigating Ride Comfort Measures in Autonomous Cars”

**ITS Podcast Episode 27: IEEE IV2015 Special Issue with Bart van Arem**

This is an special issue about the right out of the oven IEEE Intelligent Vehicles Symposium Sponsored by the IEEE Intelligent Transportation System Society ITSS. We have prepared a selection of contents with some of the big names involved. As the main course we have interviewed professor Bart van Arem, from Delft University of Technology, who was keynote at that event. We talked about his talk, titled “Automated Driving: the future of Transport starts today!”

Please, check it out and feedback the show with your comments at the podcast website or at our social networking accounts: LinkedIn, Twitter (@ITSPodcast), Facebook, Google+ or by email: itsspodcast@gmail.com
**ICVES 2015**  
**IEEE International Conference on Vehicular Electronics and Safety**  
**Yokohama, Japan, November 5-7, 2015**

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Tetsuya Manabe, Saitama Univ.  
Yanlei Gu, The Univ. of Tokyo

**IMPOTANT DATES**

**Submission deadline:**  
July 1 -> August 3, 2015. (Extended)

**Notification of acceptance:**  
Aug. 31, 2015

**Final manuscript due:**  
Sept. 20, 2015

**CONTACT US**

Mail: icves2015@ieee.org

**SCOPE**

The 2015 IEEE International Conference on Vehicular Electronics and Safety (ICVES 2015) is an annual forum sponsored by the IEEE Intelligent Transport Systems (ITS) Society. It brings together researchers and practitioners to discuss research and applications. ICVES 2015 solicits papers dealing with any aspects of vehicle electronics and vehicle safety.

**TOPICS**

Original contributions are solicited in all areas pertinent to Vehicular Electronics and Safety research and applications. Contributions for industry and applications sessions are also solicited. Topics include, but are not limited to:

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

**PAPER SUBMISSION**

Prospective authors are required to submit their manuscripts electrically through EDAS ([https://www.edas.info/](https://www.edas.info/)). 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 included in IEEEXplore.

**Technical Sponsored by:**  
IEEE ITSS, IEEE ITSS Tokyo chapter, IEEE ITSS Nagoya chapter

**In Cooperation with:**  
IEICE Technical Committee on ITS
Call for Papers

Welcome to the 10th IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE SOLI 2015), hosted by the REGIM-Lab. and the Association of Sustainable Innovation in Tunisia; Sponsored by the IEEE Intelligent Transportation Systems Society (ITSS); and technically co-sponsored by IEEE Region 8; will be held in Tunisia from November 15-17th, 2015.

Service science, service operations, logistics, and informatics are becoming ever more complex and interdependent. They 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 customers and consumers.

The IEEE Service Operations and Logistics, and Informatics (SOLI) conference series aims to bring together researchers and practitioners to discuss issues, challenges and future directions, share their R&D findings and experiences in relevant areas.

Areas of Interest:

- Topics include but are not limited to the following:
- Service Design, Engineering, Operations, and Innovations
- Logistics & Supply Chain Management
- Material Flow (MF) Science and Technology
- Service/Event Management & Manufacturing
- Information & Communications Technology & Systems
- Electronic Commerce & Knowledge Management
- Business Modeling, Monitoring & Management
- Service Delivery and Operations
- People in Services
- Cloud Computing and the Internet of Things
- Mobile Internet, Cyber-Physical-Social Systems
- Intelligent Transportation Systems (ITS)
- Big Data & Smart City

Informations

Proceedings: Registered and Presented papers will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Related Activities: Interested researchers can organize Tutorials, Special Sessions, and Workshops related to the conference topics.

Venue: SOLI 2015 will be held in Tunisia; known for its golden beaches, sunny weather, fabulous archaeological sites, upscale spa thalassotherapy, and affordable luxuries. All Tunisian people are here to welcome you and make you spend an unforgettable stay.
Call for Papers

IEEE VNC 2015

7th IEEE Vehicular Networking Conference
16-18 December 2015 · Kyoto, Japan
http://www.ieee-vnc.org/2015/

Vehicular networking and communication systems is an area of significant importance in our increasingly connected and mobile world. Effective vehicular connectivity techniques can significantly enhance efficiency of travel, reduce traffic incidents and improve safety, mitigate the impact of congestion, and overall provide a more comfortable experience. Towards this goal, the 2015 IEEE Vehicular Networking Conference (VNC) seeks to bring together researchers, professionals, and practitioners to present and discuss recent developments and challenges in vehicular networking technologies, and their applications.

The conference will be hosted in Kyoto, Japan at the Hyatt Regency Hotel. Kyoto, known as the Cultural Heart of Japan, was the imperial capital of Japan for over a millennium and is one of the best preserved cities in Japan. Seventeen UNESCO World Cultural Heritage Sites are located in and around Kyoto, 1600 Buddhist temples, 400 Shinto shrines, as well as countless famous gardens and palaces. At the same time, Kyoto is very much a modern city, home to close to 1.5 million people. Kansai International Airport is just 75 minutes out from the city center.

Topics of interest include (but are not limited to):

- Applications of vehicular networks, including ITS
- Vehicle-to-vehicle (V2V) communications
- Vehicle-to-infrastructure (V2I) communications
- Vehicle-to-X (V2X) communications (e.g., with bicyclists, pedestrians, etc.)
- In-vehicle communications (wireless or wired)
- Radio technologies for V2X (radio resource management, propagation models, antennas, etc.)
- Protocols for vehicular networks (MAC / link layer, routing, mobility management, dissemination, transport, applications etc.)
- Architectures, algorithms and protocols for data dissemination, processing, and aggregation in vehicular networks
- Security, privacy, liability, and dependability in vehicular networks
- Network and QoS management for vehicular networks
- Simulation and performance evaluation techniques for vehicular networks
- Results from experimental systems, testbeds, and pilot studies
- Impact assessments of vehicular networks on safety, transportation efficiency, and the environment
- Communications related to electric and hybrid vehicles
- Heterogeneous networking approaches (multi-radio, multi-application)
- Integration of V2V with on-board systems and networks

Manuscript submissions:

We will consider two different categories of papers, full papers (8 pages) and short papers (up to 4 pages), in addition to poster and demo papers (2 pages). Please note that these categories target different kinds of contributions, that is, full papers will not be “downgraded” to short papers.

All submitted papers will be peer-reviewed. Accepted papers will appear in the conference proceedings and will be submitted to the IEEE Xplore Digital Library. Please note that for every accepted contribution, at least one person must register for the conference and present.

Full details and formatting requirements are published on the conference web site http://www.ieee-vnc.org/2015/
Intelligent Transportation System

A Special Track of the
11th International Symposium on Visual Computing (ISVC’15)
http://www.isvc.net

December 14-16, 2015, 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.

**Important Dates:**
- Paper submissions: August 21, 2015
- Notification of acceptance: September 23, 2015
- Final camera ready paper: October 20, 2015
- Advance Registration: October 20, 2015
- ISVC15 Symposium: December 14-16, 2015

**Organizers:**
- Amol Ambarekar, Microsoft, Bellevue, WA, USA, amolamb@microsoft.com
- Brendan Morris, University of Nevada, Las Vegas, Las Vegas, NV, USA, brendan.morris@unlv.edu
Mobile Information Systems

Special Issue on
Cooperative Intelligent Transportation Systems

CALL FOR PAPERS

The importance of computer networks on Intelligent Transportation Systems (ITS) has gained relevance in the last years. Initial research solutions have given way to international projects and, lastly, to regulations within the most prestigious standardization bodies (ISO, IEEE, CEN, and ETSI). Both the academia and main technological companies in the field agree on the key role of communications in future transportation, which will evolve from autonomous ITS capabilities to a vast number of applications supported by cooperation with the rest of vehicles in the surroundings and infrastructure local and remote entities.

We are now experiencing a turning point in the ITS area. The first market products are being released, standardization groups have matured, and cooperative systems involving both vehicle-to-vehicle and vehicle-to-infrastructure communications are seen now as feasible solutions that will make the transportation means more safety, efficient and easy to use. Even the U.S. Department of Transportation has recently announced its plans to integrate vehicle-to-vehicle communications in light vehicles. The achievements in the technological planes of navigation, cellular networks, short-range communications, and the Internet expansion to areas such as embedded computers and mobile devices, have supported with no doubt the research on cooperative ITS (C-ITS).

This special issue wants to exploit this momentum in C-ITS by inviting researches in the area to contribute with original works as well as review articles in the areas of vehicular communications, telematics, and GNSS application in ITS.

Potential topics include, but are not limited to:
- Vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications and networking
- Experimental evaluation in C-ITS
- Emerging communication technologies in connected vehicles
- Standardization and regulation in C-ITS
- Vehicular applications and services in the areas of safety, traffic efficiency, and infotainment
- Location-based services for vehicles
- C-ITS in rains, airplanes, and ships
- Microaerial vehicle networks
- GNSS enhancement for ITS
- Novel road pricing schemes and solutions
- Cross-layer networking solutions for service provision
- IPv6 in C-ITS
- Secure vehicular communications
- Access control in vehicular-networked domains
- Handover treatment in mobile vehicle networks
- Internet of things and future Internet schemes in ITS
- Solutions for vulnerable road users
- Driving context-awareness middleware and services

Authors can submit their manuscripts via the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/misy/cits/.

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Fernando Pereniguez, Catholic University of Murcia, Murcia, Spain
fpereniguez@ucam.edu
Manabu Tsukada, University of Tokyo, Tokyo, Japan
manabu.tsukada@gmail.com

Manuscript Due
Friday, 23 October 2015

First Round of Reviews
Friday, 15 January 2016

Publication Date
Friday, 11 March 2016
Workshop on Ambient Intelligence for Transport (AmITR)

Paper Submission

Workshop Goals: Mobility is a need and a right of individuals, therefore transport activity directly affects the quality of life of citizens. Transport services, such as guidance systems, payment systems, security system for transit infrastructures, or information systems for travelers, have been enhanced using the new technologies of information and communications, especially by digital networks, mobile technology and sensor technologies. Using sensing capabilities (e.g. geo-referencing, on-board event detection or capture of audio/video), mobile communications infrastructures and distributed information processing, it is possible to develop ambient intelligence in transit areas (vehicles, stations, bus stops, etc) to provide information services adapted to the necessities or preferences of the travelers (guidance services for private or public transport, intelligent payment systems) or to provide information for improving the quality, security and safety of the transport services (time table fulfillment, vehicle velocity, transit travelers in different points of the transport network, traffic density, pollution level in metropolitan areas). Thus, transport activity becomes more attractive for citizens and improves their quality of life. This workshop provides a discussion space, in which researchers, students, technology experts and practitioners can contribute to the design, assessment, development, and deployment of ambient intelligent solutions applied to the transport domain. The workshop will act as a forum to validate recent results and on-going research, particularly addressed by young researchers.

Topics of Interest

- Ambient intelligence for transport
- Context-aware computing in the context of transport
- Sensing in the context of transport
- Ambient intelligent systems to Services
- Middleware and Infrastructures to implement intelligent services for transport
- Positioning Methods and Georeferencing Processes
- Mobile Computing and transport applications
• Scientific computation methods for ambient Intelligence in transport

• Human computer interaction for ambient intelligence in transport

• Ubiquitous Computing in transport

• Case Studies

Important Dates

• Paper Submission: July 15 (extended), 2015

• Notification of acceptance: July 30, 2015

• Camera-ready version: September 1st, 2015

• Conference dates: December 1-4, 2015

Paper Submission

We invite researchers to submit high quality contributions describing significant, original and unpublished results in the following categories:

Long papers: Intended to allow presentation of academic research results of high quality. Submissions must contain an original contribution and may not have already been published in another forum, nor be subject to review for other conferences or publications. Contributions should include unpublished results of research, case studies or experiences that provide new evidence about the research or application regarding to the main topics. Articles accepted in this category will be published in the proceedings of the event. Long papers must not exceed 12 pages (including figures and appendices).

Short papers: Intended to allow presentation of ongoing studies with partial (however, significant) results. Submissions must contain an original contribution and may not have already been published in another forum, nor be subject to review for other conferences or publications. Articles accepted in this category will be published in the proceedings of the event. Short papers must not exceed 6 pages (including figures and appendices).

All papers should be written in English.

Submission Procedure

All submissions should be made by EasyChair platform and must follow the LNCS Formatting Guidelines. Details of the paper submission process will be announced soon through the website of the conference:

You can submit your paper through the following:

https://www.easychair.org/conferences/?conf=ucamiiwaal2015

**Workshop Proceedings**

The accepted papers will be included in the UCAmI - IWAAL - AmIHEALTH post-proceedings volume, which will be published by Springer in its LNCS series.

http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0

Selected papers would be invited to be extended and submitted for review to Journal Special Issues.

**PC Chairs**

García, Carmelo R., Universidad de Las Palmas de Gran Canaria

Quesada-Arencibia, Alexis, Universidad de Las Palmas de Gran Canaria

**Program Committee:**

- Armingol, José María, Universidad Carlos III de Madrid, Spain.
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- De la Escalera, Arturo, Universidad Carlos III de Madrid, Spain.
- De Fuentes, José María, Universidad Carlos III de Madrid, Spain.
- Fernández Llorca, David, Universidad de Alcalá, Spain.
- González, Lorena, Universidad Carlos III de Madrid, Spain.
- Morris, Brenda, University of Las Vegas, Nevada, USA.
- Nebot, Eduardo, The University of Sydney, Australia.
- Nunes, Urbano, Universidad de Coimbra, Portugal.
- Olaverri Monreal, Cristina, Austrian Institute of Technology GmbH, Austria.
• Paz, Alex, University of Las Vegas, Nevada, USA.
• Rakha, Hesham, Virgini Tech, USA.
• Rossetti, Rosaldo, Univerisdad de Porto, Portugal.
• Sánchez-Medina, Javier, Universidad de Las Palmas de Gran Canaria, Spain.
• Shirazi, Mehran, Simon Fraser University, Canada.
**Conference Calendar**

By Massimo Bertozzi and Paolo Grisleri

This section lists upcoming ITS-related conferences, workshops, or exhibits. Contributions are welcome; please send announcements to itsconfs@ce.unipr.it.

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**IEEE Intelligent Transportation Systems Society’s Sponsored Conferences**


*August 2-5*
*Boston, Massachusetts*

**ITSC2015: The 18th International IEEE Conference on Intelligent Transportation Systems**

*September 15-18*
*Las Palmas de Gran Canaria, Spain*

**International Conference on Vehicular Electronics and Safety (IEEE ICVES 2015)**

*November 5-7, 2015*
*Yokohama, Japan*

**2015 10th IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE SOLI 2015)**

*November 16-18*
*Tunisia*
*[http://soli.ieee-sfax.org](http://soli.ieee-sfax.org)*
*Submission due by: August 31*

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**Other Conferences**

**SAE Battelle CyberAuto Challenge**

*July 13-17*
*Troy, MI, USA*
*[http://www.sae.org/events/cyberauto/](http://www.sae.org/events/cyberauto/)*
International Symposium on Transportation and Traffic Theory - ISTTT
August 5-7
Kobe, Japan

NRITS National Rural ITS Conference
August 9-12
Snowbird, UT, USA
http://www.nritsconference.org/

International Conference on Image Analysis and Processing (ICIAP 2015)
September 7-11
Genova, Italy
http://www.iciap2015.eu

IEEE Vehicular Technology Conference: VTC2014-Fall
September 6-9
Boston, MA, USA
http://www.ieeevtc.org/vtc2015fall/

IEEE Multi-Conference on Systems and Control
September 21-23
Novotel Manly Pacific, Sidney, Australia
http://www.msc2015.org/

September 28 - October 3
Hamburg, Germany
http://www.iros2015.org

ITS World Congress 2015
October 5-9
Bordeaux, France

25th World Road Congress
October 30 - November 6
Seoul, Korea
http://www.piarcseoul2015.org/wrcs/

Seminar on Vision for Autonomous Vehicles and Probes
November 8-13
Schloss Dagstuhl, Germany
http://www.dagstuhl.de/de/programm/kalender/seminar?seminr=15461
VISIGRAPP 2015: 10th International Joint Conference on Computer Vision, Imaging and Computer Graphic Applications

February 27-29, 2016
Rome, Italy
http://www.visigrapp.org

Intertraffic Amsterdam 2016
April 5-8, 2016
Amsterdam, Netherlands
http://www.intertraffic.com/intertraffic-amsterdam/

SAE 2016 World Congress & Exhibition
April 12-14, 2016
Detroit, Michigan, USA

IEEE Vehicular Technology Conference (VTC2016-Spring)
May 9-12, 2016
Nanjing, China
http://www.ieeevtc.org/vtc2016spring/
Submission due by: September 20

International Conference on Vehicle Technology and Intelligent Systems
April 23-24, 2016
Rome, Italy
Submission due by: October 27

IEEE International Conference on Robotics and Automation (ICRA 2016)
May 16-21, 2016
Stockholm, Sweden
http://www.icra2016.org
Submission due by: October 27
Forthcoming papers on IEEE Transactions on ITS

A dynamic and self-adaptive network selection method for multi-mode communications in heterogeneous vehicular telematics
TIAN, DAXIN; ZHOU, JIANSHAN; WANG, YUNPENG; LU, YINGRONG; XIA, HAIYING; YI, ZHENGUO

A Large-Scale SUMO-Based Emulation Platform
GRIGGS, WYNITA; ORDONEZ-HURTADO, RODRIGO; CRISOSTOMI, EMANUELE; HÄUSLER, FLORIAN; MASSOW, KAY; SHORTEN, ROBERT

A Novel Approach for Active Adhesion Control of High Speed Trains under Antiskid Constraints
CAI, WENCHUAN; LI, DANYONG; SONG, Y. D.

A Partition-Based Match Making Algorithm for Dynamic Ridesharing
PELZER, DOMINIK; XIAO, JIAJIAN; ZEHE, DANIEL; LEES, MICHAEL; KNOLL, ALOIS; AYDT, HEIKO

A PROGRAM FOR SIMULTANEOUS NETWORK SIGNAL TIMING OPTIMIZATION AND TRAFFIC ASSIGNMENT
HAJBABAIE, ALI; BENEKOHAL, RAHIM

A review of 3D imaging technologies for pavement distress detection and measurements
MATHAVAN, SENTHAN; KAMAL, KHURRAM; RAHMAN, MUJIB

A Road Congestion Detection System Using Undedicated Mobile Phones
LV, MINGQI; CHEN, LING; WU, XIAOJIE; CHEN, GENCAI

A Rule-Based Decision Support System in Intelligent Hazmat Transportation System
ASADI, REZA; GHATEE, MEHDI

A Security and Privacy Review of VANETs
QU, FENGZHONG; WU, ZHIHUI; WANG, FEIYUE; CHO, WOONG

A simulation study on the design of a novel automated container terminal
XIAOMING, YANG; MI, WEIJIAN; XUN, LI; GUOLI, AN; CHAO, MI; NING, ZHAO

A Survey of Traffic Data Visualization
CHEN, WEI; GUO, FANGZHOU; WANG, FEI-YUE

Adaptive Estimation of Energy Factors in Intelligent Convoy of Vehicles
KHAYYER, PARDIS; OZGUNER, UMIT

ALIMC: Activity Landmark-based Indoor Mapping via Crowdsourcing
ZHOU, BAODING; LI, QINGQUAN; MAO, QINGZHOU; TU, WEI; ZHANG, XING; CHEN, LONG
Analysis of Stochastic k-Coverage and Connectivity in Sensor Networks with Boundary Deployment
GUPTA, HARI; RAO, S.; VENKATESH, T.

Automatic Detection and Classification of Road Lane Markings using Onboard Vehicular Cameras
DE PAULA, MAURICIO; JUNG, CLAUDIO

Automatic Rotor Speed Reference Generator for Electric Vehicles under Slip Constraints
MARINO, RICCARDO; PASQUALE, LAURA; SCALZI, STEFANO; VERRELLI, CRISTIANO MARIA

Comparison of Mixed Integer Linear Models for Fuel-Optimal Air Conflict Resolution with Recovery
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Counting and Classification of Highway Vehicles by Regression Analysis
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Demand-Driven Train Schedule Synchronization for High-Speed Rail Lines
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Detection of Dangerous Cornering in GNSS Data Driven Insurance Telematics
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Detection of US Traffic Signs
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Distributed Optimization for Shared State Systems: Applications to Decentralized Freeway Control via Subnetwork Splitting
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DMAP: Density Map Service in City Environments
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Performance Evaluation of IEEE 802.15.4 Nonbeacon-Enabled Mode for Internet of Vehicles
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Positive Train Control with Dynamic Headway based on Active Communication System
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Predictability of Public Transport Usage: A Study of Bus Rides in Lisbon, Portugal
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Real-time Multi-pedestrian Tracking in Traffic Scenes via an RGB-D based Layered Graph Model
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RECIFE-MILP: An effective MILP-based heuristic for the real-time railway traffic management problem
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The Cellular Network as a Sensor: From Mobile Phone Data to Real-time Road Traffic Monitoring
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The Impact of Driving Styles on Fuel Consumption: A Data Warehouse and Data Mining based Discovery Process
FERREIRA, JOÃO; ALMEIDA, JOSÉ; SILVA, ALBERTO

Towards a BIM Enabled Decision Making for in-Building Response Missions
CHEN, ALBERT; HUANG, TING
Forthcoming papers on IEEE ITS Magazine

Functional safety and development process capability for intelligent transport systems
MEROOTH, ANSGAR; TRÄNKLE, FRANK; LÜLING, JOCHEN; WAGNER, MARCO; RICHTER, BASTIAN; NEHER, MICHAEL

Simulations on Consumer Tests: A Systematic Evaluation Approach in an Industrial Case Study (Extended Version)
KÜHNEL, STEFAN; BERGER, CHRISTIAN; BLOCK, DELF; HEEREN, SÖNKE; HONS, CHRISTIAN; LESCHKE, ANDRÉ; PLOTNIKOV, DIMITRI; RUMPE, BERNHARD
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   Abadi, A. ; Rajabioun, T. ; Ioannou, P.A.

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   Tasseron, G. ; Martens, K. ; van der Heijden, R.

4. A Tutorial on Graph-Based SLAM
   Grisetti, G. ; K. mmerle, R. ; Stachniss, C. ; Burgard, W.

5. Driver Behavior Profiling Using Smartphones: A Low-Cost Platform for Driver Monitoring
   Castignani, G. ; Derrmann, T. ; Frank, R. ; Engel, T.

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