32nd International Symposium on Automation and Robotics in Construction and Mining

Connected to the Future

June 15-18 2015 Oulu, Finland

CALL FOR PAPERS
Call for papers

The main theme of the symposium is **Connected to the Future**.

The ISARC 2015 Organizing Committee cordially invites you to submit abstract for oral and poster presentations. All the abstracts will go through a two stage blind peer review process before accepted to be presented in the symposium (as a poster or an oral presentation).

Abstract submission deadline is 30th September 2014. Abstracts can be submitted via website www.isarc2015.com

A selection of the best papers submitted will be published on a dedicated issue of the Automation in Construction Journal. These papers will be expanded and fully refereed after the publication of the ISARC proceedings.

**Topics apply to the Construction and Mining Industries:**

- Advanced Computing
- Advanced Planning Tools
- Advanced Surveying and Positioning
- Augmented and Virtual Reality
- Automated Haulage
- Automation and Robotics
- Building Information Modeling (BIM)
- BIM Integration with Automation and Robotics Systems
- Collaborative Design and Construction
- Computational Mechanics
- Computing and Conceptual Design
- Decision Support Systems
- Distributed Computing and Information Management
- Dredging Automation
- Dynamic Work Process and Site Control
- Environmental Monitoring
- Experimentation with Future Technologies
- Fault Analysis and Control
- Field Robotics
- Fleet Management and Dispatching
- GIS and Spatial Databases
- Hoist Control
- Human-Machine Interfaces
- Human Robotics
- Instrumentation and Sensors
- Intelligent Information Transfer and Management
- Interoperability
- Linked Data and Information Models
- Logistics Systems
- Machine Control Systems
- Management Systems
- Materials Handling Systems
- Mechatronics
- Multi-Vehicle Coordination
- Networking and Communications
- Novel Mining and Construction Methods
- Open and Intelligent Information Transfer
- Operator-Assist Guidance Systems
- Positioning Methods and Systems
- Project Information Management
- Process Control and Optimization
- Real-Time Systems
- Reliability and Availability
- Remote Mining
- Robotic Excavation
- Robotized Factories
- Safety Improvement Systems
- Semantic Methods and Systems
- Sensing Technology
- Service Robots
- Site Control Systems
- Space and Extreme Engineering Applications
- Supervisory Control
- Telerobotics
- Unmanned Measurement and Production Systems
- Web-based BIM
- Working in Extreme Conditions
Finland

Finland is a land of interesting contrasts, such as the four seasons, the Midnight Sun and the winter darkness, urban and rural, East and West.

Lapland

Dark Arctic winters have their counterpart in one of the most iconic of Finnish natural phenomena, the Midnight Sun. In the northernmost parts of Finnish Lapland, the sun stays above the horizon for over 70 consecutive days.

City of Oulu

The City of Oulu is the capital of northern Finland. The Oulu Region has over 200,000 inhabitants and it is the fastest growing region in Finland. From being a town known for tar and salmon, Oulu has evolved into a growing modern centre of competence.

Oulu is internationally known as a city of technology. Today Oulu is a major centre of competence in the field of high technology, particularly IT and wellness technology. Oulu has an international airport and there are about 15 flights to and from Helsinki each day. Oulu railway station is one of the busiest in Finland.

Technical Program

Program will include traditional parallel scientific sessions and case studies. Technical excursions will take place in 17th and 18th of June.

Social Program

Program will include several social events including city reception and dinner. There will be program organized for accompanying persons during the symposium.

Pre Symposium Tour

An overnight touristical pre tour to Lapland to experience the midnight sun will also be organized. Participants will have the possibility to visit Rovaniemi, the official hometown of Santa Claus.

Exhibition and Sponsorship Opportunities

There will be an exhibition during the symposium. We can also offer a lot of different opportunities for sponsorship. For more information contact the secretariat or visit isarc2015.org. This is a unique opportunity to position your company and align your brand with an international convention.
IMPORTANT DATES

Abstract submission deadline 30th September 2014
Notification of abstracts 1st December 2014
Full paper submission deadline 30th January 2015
Notification of full papers 31st March 2015

Symposium dates June 15-18 2015

www.isarc2015.org

Symposium secretariat

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