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

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

Mr. Ville Raasakka
Finnish Association of Civil Engineers RIL
Tel. +358 50 3668687
E-mail: ville.raasakka@ril.fi