AUTOMATION IN MINING ENGINEERING

(Scientific Conference; Industry Forums and Exhibition)

as part of

IEEE 20th
International Conference on Industrial Technology

13 - 15 February 2019
Melbourne Convention and Exhibition Centre — Australia
Sponsor : IEEE Industrial Electronics Society
Technical Sponsor: Federation University Australia

ADVANCED TECHNOLOGY IN SERVICE OF RESOURCES INDUSTRY

CALL FOR Research PAPERS & Industry Presentations

**Invitation to Participate in an Intellectually
Stimulating Conference & experience the Australian Culture**

Final Submission Deadlines:

Submission of Special Session Proposals (CLOSED): **15 July 2018**
Deadline for submission of full research paper: **15 OCTOBER 2018**
DEADLINE FOR INDUSTRY PRESENTATION EXTENDED ABSTRACT: 31 October 2018
Notification of acceptance: **22 November 2018**
Deadline for final revised submission: **7 December 2018**

FOR FURTHER INFORMATION VISIT WWW.IEEE-ICIT2019.ORG

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Call for Papers

CONFERENCE THEME:

ADVANCED TECHNOLOGY IN SERVICE OF RESOURCES INDUSTRY

Background & Aim

Mining industry is pivotal to the Australian economy and important to many countries around the world. The aim of "Automation in Mining Engineering" event is to provide a forum for presentation and discussion of emerging developments and applications in the rapidly evolving field. Also, it serves as a conduit for channeling advanced research and best industry practice to mining industry.

PRESENTATION TYPES:

Industry Practitioners Stream (Automation in Mining Engineering):
(Presentations based on a refereed extended abstract)

- 2-page extended abstract (excluding figures and tables) written in good English including: Clear and concise title; The relevance and importance of the topic (to the conference audience); The novelty in application or practice methodology; The applications methodology; Results obtained and their significance; Lessons learned; Projected further improvement and future work.

Academic/Scientific Research Stream:
(Refereed technical papers for IEEE proceedings)

- Full Technical Paper with Presentation

Technical Track Topics:

The topics of *"Automation in Mining Engineering"* will include, but are not limited to:

- **Case study in mining automation (Industry Stream)**
- **Best practice and investment returns for automating mining processes (Industry Stream)**
- **Robotic and Autonomous Machinery**
- **Autonomous Navigation in GPS-denied Environments**
- **Automation, Control and Instrumentation of Mining Operation**
- **Mobile Conveyors Belts**
- **People Detection and Tracking in Mining Environments**
- **Signal and Image Processing and Computational Intelligence**
- **Teleoperation of Machinery**
- **Sensory Systems, Actuators and Sensor Fusion**
- **Artificial Intelligence Application in Mining Operations**
- **Systems Reliability, Predictive Maintenance, Conditions Monitoring and Fault Diagnosis**
- **Safety in Mining Automation**

Submission of Technical Papers or Industry Extended Abstracts:

Please refer to "**For Authors**" on the conference website.

Accepted and presented refereed full technical papers will be published in an IEEE Proceedings volume and will be also submitted for the inclusion and international publication in IEEE Xplore.
Abridged versions the of the industry presentation abstracts will be made available to conference attendees via the conference program.

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