

IFACMMM2010

The 13th Symposium on Automation in Mining, Mineral and Metal Processing
2-4 August 2010, Cape Town



UNIVERSITEIT
STELLENBOSCH
UNIVERSITY



South African Council for
Automation and Control

PARTICIPANTS

Stellenbosch University is pleased to invite practitioners, executives, professionals academics, researchers, consultants and vendors of automation products to participate in the 13th IFAC Symposium on Automation in Mining, Mineral and Metal Processing – IFAC MMM 2010, to be held 2-4 August 2010 at the The Radisson Blu Hotel Waterfront, Cape Town, South Africa. The Symposium is sponsored by the IFAC Technical Committee Mining, Mineral and Metal Processing (TC 6.2).

OBJECTIVES

The IFAC Symposium on Automation in Mining, Mineral and Metal Processing provides a forum where control, mining, mineral processing, extractive metallurgy, smelter, refinery and metal processing professionals and researchers may meet to review state-of-the-art automation technologies in the field. The objectives of the Symposium are:

- To promote the exchange of knowledge and experience among practitioners and researchers related to automation in the mining, mineral and metal industries.
- To identify the best practices, methodologies and technologies used in automation of the mining, metallurgy and metal processes.
- To promote development of an international interdisciplinary network among professionals interested in automation in mining, mineral and metal processing.

AREAS OF INTEREST

The Symposium will include developments and innovations in automation related to the mining, mineral and metal industry. This will include among other:

- Measurement and instrumentation
- Data mining and multivariate statistical analysis
- Fault diagnosis and process monitoring
- Process modelling, control and optimisation
- Artificial intelligence and machine learning systems
- Advanced process control
- Robotics, mechatronics and teleoperation
- Data reconciliation and metallurgical accounting
- Maintenance scheduling and product planning

Second Announcement and Call for Papers



APPLICATIONS

- Mine unit operations
- Mineral processing
- Pyrometallurgy
- Blast furnaces and smelters
- Electrorefining
- Steel making and continuous casting
- Hot/cold rolling
- Environmental recycling
- Liquid and solid waste treatment
- Forming of metal and metallic materials
- Hydrometallurgy

PAPER SUBMISSION

Interested professionals are invited to submit a paper, in English, by April 7, 2010 to <http://ifac.papercept.net>. Industrial applications may be presented using a two-page long extended abstract, and at least one of the authors has to be from the industrial sector. Papers must be in PDF format, and should include a title of no more than 100 characters, author's full name, position, company, business address, city, country, telephone numbers (optional) and e-mail. Papers will be peer reviewed and all those accepted will be considered for publication in the Workshop's proceedings. To be included in the proceedings, final papers in camera-ready form, for both industrial and regular papers are limited to 6 pages and have to fully comply with IFAC guidelines for authors published in <http://www.ifac-control.org/events/information-for-ifac-authors>. Also, a copyright transfer form must be signed by all authors and submitted no later than June 18, 2010, and at least one author has to be registered early. The copyright transfer form may be downloaded from the event website.

DEADLINES 2010

| | |
|-----------------------------------|--|
| Paper Submission | March 15, 2010 April 7, 2010 |
| Notification of Acceptance | May 7, 2010 May 31, 2010 |
| Submission of Camera Ready Papers | May 31, 2010 June 18, 2010 |
| Submission of Copyrights | May 31, 2010 June 18, 2010 |
| Early Registration | May 31, 2010 June 18, 2010 |

VENUE

The Radisson Blu Hotel Waterfront, Cape Town is within walking distance from the world famous Victoria Et Alfred Waterfront, the shopping and entertainment hub of the city and in close proximity to Cape Towns' major tourist attractions, beautiful beaches, golf courses and the Winelands.

CONTACT DETAILS

IFACMMM 2010 Secretariat
Department of Process Engineering
University of Stellenbosch
Private Bag X1, Matieland, 7602
South Africa
Tel: +27 21 808 4712 Fax: +27 21 808 2059
info@ifacmmm2010.com
www.ifacmmm2010.com

NATIONAL ORGANISING COMMITTEE

Chair: C Aldrich, University of Stellenbosch
Vice-chair Industry: JW de V Groenewald, Anglo Platinum
Editor: GT Jemwa, University of Stellenbosch

MEMBERS

| | |
|--------------------|-----------------------------------|
| JP Barnard | University of Stellenbosch |
| F Camisani | CSIR |
| IK Craig | University of Pretoria |
| Z du Toit | University of Stellenbosch |
| JW de V Groenewald | Anglo Platinum |
| D Hartley | University of Stellenbosch |
| GT Jemwa | University of Stellenbosch |
| C Marais | University of Stellenbosch |
| D Stepto | Rockwell Automation International |
| E Thom | University of Stellenbosch |
| M Winter | University of Cape Town |

INSTITUTION

INTERNATIONAL PROGRAMME COMMITTEE

Chair: SC Won South Korea

MEMBER

COUNTRY

| | |
|------------|----------------|
| K Asano | Japan |
| LG Bergh | Chile |
| TC Cavalho | Portugal |
| S Cierpiz | Poland |
| GI Danko | USA |
| A Desbiens | Canada |
| D Hodouin | Canada |
| F Kongoli | USA |
| I Kostial | Slovakia |
| M Mahfouf | United Kingdom |
| JH Park | South Korea |
| H Peters | Germany |
| J Ragot | France |
| D Sauter | France |
| B Sohlberg | Sweden |
| W Wang | China |

COPYRIGHT CONDITIONS

The material submitted for presentation at an IFAC meeting (Congress, Symposium, Conference, Workshop) must be original, not published or being considered elsewhere. All papers accepted for presentation will appear in the Preprints of the meeting and will be distributed to the participants. Proceedings of the IFAC Congress, Symposia, Conferences and Workshops will be hosted on-line on the IFAC-PapersonLine.net website. The Presented papers will be further screened for possible publication in the IFAC Journals (Automatica, Control Engineering Practice, Annual Reviews in Control, Journal of Process Control, Engineering Applications of Artificial Intelligence, and Mechatronics), or in IFAC affiliated journals. All papers presented will be recorded as an IFAC Publication. Copyright of material presented at an IFAC meeting is held by IFAC. Authors will be required to transfer copyrights electronically and/or in hard copy. The IFAC Journals and, after these, IFAC affiliated journals have priority access to all contributions presented. However, if the author is not contacted by an editor of these journals, within three months after the meeting, he/she is free to submit an expanded version of the presented material for journal publication elsewhere. In this case, the paper must carry a reference to the IFAC meeting where it was originally presented and, if the paper has appeared on the website www.IFAC-PapersOnLine.net, also a reference to this publication.