

ANNOUNCEMENT

3rd Robotics and Mechatronics Symposium

9 November 2009

Organized By: CSIR – Materials and Manufacturing
CSIR, - Modelling and Digital Science
Meraka Institute
University of KwaZulu Natal
Central University of Technology, Free State

Introduction

The Advanced Robotics and Mechatronics Research Network (ARMRN) was established to increase collaboration and enhance knowledge sharing in the field of Advanced Robotics and Mechatronics. It will contribute to human capital development through stimulating interest in this area.

The network was founded by the CSIR, MSM and the University of KwaZulu Natal (UKZN). The ARMRN further expanded to include the Central university of Technology in the Free State (CUT), the Nelson Mandela Metropolitan University (NMMU) in Port Elizabeth, Stellenbosch University, Tshwane University of Technology (TUT) and others. Co-hosts are CSIR, UKZN and CUT.

The symposium provides a platform to showcase and establish the current state of advanced robotics and mechatronics research in South Africa. It also serves to gain momentum for the planned international conference in 2010.

Call for abstracts

The objective of the symposium is to bring together, on a common platform, researchers, academicians, application engineers, robotics and factory automation technologies and methodologies and policy makers. Abstracts are invited in the following areas relevant to the conference theme:

- Intelligent Manufacturing System
- Computer Vision and inspection systems
- Reconfigurable and flexible manufacturing systems
- Service and field Robotics
- Marine Robotics
- Autonomous Aerial Vehicles (UAV)
- Computer Integrated Manufacturing CIM
- Autonomous systems

- Flexible Manufacturing Systems FMS
- Artificial Intelligence/Knowledge Based Systems
- Information Technology Applied to Manufacturing
- Sensors and Applications
- Robots and Automation
- Logistics
- Modeling and Simulation
- Rapid Prototype
- Management of Technology
- Machine Vision
- Education and Training
- Mechatronic systems
- SCADA Systems
- Distributed Control Systems
- Energy and Manufacturing
- Neural Networks and Bayesian Networks
- SLAM

Abstracts can be submitted on-line at:

<http://armrn.manufacturingafrica.com/myreview/>

Notification of abstract acceptance and instructions to prepare full paper for review will be mailed to authors by 15th of May 2009.

Symposium Deadlines

- Deadline for Abstract: 1 May 2009
- Deadline for full paper: 1 August 2009
- Notification of acceptance: 1 September 2009
- Final submission of accepted and corrected papers: 1 October 2009

Venue

CSIR Conference Centre, Pretoria

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