



**INTERNATIONAL**

## INVITED SESSION SUMMARY

**Title of Session:**

Bioengineering Applications

**Name, Title and Affiliation of Chair:** School of Science

*Dr Milan Simic* RMIT University, School Engineering, Melbourne, Australia  
*Dr Maria Spichkova* RMIT University, School of Science, Melbourne, Australia

**Details of Session (including aim and scope):**

This session presents a comprehensive approach to the relatively new discipline of Bioengineering, or Biomedical Engineering. It covers combination of software engineering, computing, electronics, electrical, mechanical and chemical engineering, in the role of medical applications.

The list of topics for this session includes but is not limited to:

- Artificial hips, knees and other joints,
- Prosthesis,
- Physiotherapy treatments and equipment,
- Ultrasound,
- MRI and other medical imaging techniques, EKG/ECG,
- Clinical equipment,
- Micro-implants,
- Regenerative tissue growth,
- Pharmaceutical drugs,
- eHealth,
- Telemedicine,
- Health informatics.

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

Australia-India Research Centre for Automation Software Engineering (AICAUSE)

Dr Milan Simic, Associate Director of AICAUSE, School of Engineering, RMIT University, Australia  
Dr Maria Spichkova, Associate Director of AICAUSE, School of Science, RMIT University, Australia

**Website URL of Call for Papers (if any):** TBA

**Email & Contact Details:**

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