Name: Peter A. Bosscha

Profession: Electronic Engineer / Project manager / Team Leader

Position: Technology Platform Leader (Mechatronics)

Name of Organisation: CSIR, South Africa, Mechatronics and Micro-Manufacturing Group

Date of Birth: 22-July-1962

Years with Organisation: 15

Countries of Work Experience: Netherlands, South Africa

Contact Details:

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Education:

BSc Electronic Engineering, HTS Eindhoven, Netherlands

MSc Mechatronics, UKZN, South Africa

Key Qualifications:

29+ Years experience in Electronic Engineering, Software Engineering, Product Development, Project management.

Product Development at CSIR:

Airhead ™ - Ultrasonic Range Finder / UmbiFlow – Pre-Natal Medical Diagnostic Instrument / iSonic / LoopController – Industrial Control Instrumentation / Ripress – Custom Industrial Control Instrumentation for Rittmeyer AG / SmartFactory ™, Hydra Water Quality Monitor

Publications:
- "SmartFactory: An architecture for open and low-cost ICT in the small manufacturing industry." ICT 2005
- "Inclusive vision of high performance computing at the CSIR" 1st CSIR Biennial Conference 2006Fuel Cell research at the CSIR – 1st CSIR Biennial Conference 2006
- "SmartFactory: the challenges of open and low-cost ICT in the small manufacturing industry" – South African Journal of Science July/August 2006
- "Smartfactory, a modular, low cost productivity monitoring system" – Robmech 2010
- "Hardware control in the loop on a shoestring budget" – Robmech 2010
- "Can a robot improve mine safety?" - International Conference on CAD/CAM, Robotics and Factories of the Future 2010

Current Interests / Activities:

- Robotics; Autonomous Vehicles, Mining Robotics

- Water Quality and Quantity Monitoring Applications / Instrumentation / Research

- Wireless Sensor Networks, Applications / Research