



[Advanced Search](#)  
[Renew/Join](#)  
[Divisions](#)

# Robotics & Expert Systems Division

Robotics and Expert Systems Division is part of the Automation and Technology Department of ISA and is chartered to focus on the technologies associated with its various disciplines. As the name ROBEXS (Robotics and Expert Systems) implies, it was formed mainly to cater to the various robotics related technologies for the hardware and expert systems in the software areas.

Our Division has grown during the last 22 years and currently represents one of the key high-technology Divisions of ISA. Here are the current areas of focus for the ROBEXS Division:

- Robotics Sensors
- Motion Control Hardware and Software
- Robotic Systems
- Robotic/Computational Vision
- Artificial Intelligence
- Artificial Neural Networks
- Distributed Intelligent Systems in Robotics and AI
- Expert Manufacturing Systems
- Expert Systems
- Human Factors
- Intelligent Process Control
- Speech and Natural Languages
- Virtual Reality

Many new focuses are regularly suggested by the membership and the Division periodically adopts the new disciplines in its charter. ROBEXS organizes technical sessions at the ISA annual conference, publishes newsletters, and provides technical books.

We support ISA Theme Committees and actively support International Symposium on Measurement and Control in Robotics (ISMCR), organized by the International Measurement Federation's (IMEKO) Technical Committee on Robotics Measurement.

All our Division officers are volunteers and we solicit support from Members to come forward and participate in the Division activities. Any Member interested in any of the technical fields and willing to serve as an officer of the ROBEXS Division should contact either ISA or [Zafar.s.Taqvi@Boeing.com](mailto:Zafar.s.Taqvi@Boeing.com). Division positions include Director, Director-Elect, Associate Director (of technical areas), Secretary, Program Chairman, Review Chairman (and Reviewers), Webmaster, Newsletter Editor/Asst. Editor, and other committee chairmen.

## Current Officers for 2006

### Director

**Dr. Zafar Taqvi**

Phone: (281) 244-4436

Fax: (281) 244-4374

E-mail: [Zafar.s.Taqvi@Boeing.com](mailto:Zafar.s.Taqvi@Boeing.com)

### Director-Elect

**Dr. Trung T. Pham**

Phone: (281) 480-1121,  
ext. 102

E-mail: [tpham@DIcentral.com](mailto:tpham@DIcentral.com)  
[t\\_rob@alumni.rice.edu](mailto:t_rob@alumni.rice.edu)

## Associate Directors

### Paul A. Avery

Southwest Research Institute

Phone: (210) 522-6732

E-mail: [pavery@swri.org](mailto:pavery@swri.org)

### Dr. Alex C. Dunn

friTek, Inc

E-mail: [aclexi@entouch.net](mailto:aclexi@entouch.net)

### Youssef F. Basrawi

Consultant

Phone: 96638788331/9615804886

E-mail: [basrawiy@yahoo.com](mailto:basrawiy@yahoo.com)

### Larry Periera

E-mail: [lpereira100@yahoo.com](mailto:lpereira100@yahoo.com)

### Staff Contact

**Rodney Jones**

Phone: (919) 990-9418

Fax: (919) 549-8288

E-mail: [rjones@isa.org](mailto:rjones@isa.org)