

**Session Organizer:** Dr. Qing Song

I am organizing a special session - [Recurrent Neural Networks \(RNN\) for Intelligent System Applications](#) for HIS 2009, which will be held in Shenyang on August 12-14, 2009. It brings together researchers working across this field to share their experience and discuss advanced techniques. Topics of interest include, but are not limited to:

1. Design and Reconfiguration of recurrent neural network structures
2. Robust learning algorithms of RNN
3. Stability and convergence studies
4. Bi-directional associative memories
5. Elman backpropagation
6. Time sequence predictions
7. RNN based nonlinear filtering for signal processing
8. Control system applications
9. Monitoring, diagnosis and maintenance of manufacturing systems using RNN
10. Probabilistic & statistical models in industrial plant with RNN
11. RNN-enabled manufacturing processing and wireless automation process modeling and information systems
12. RNN based Intelligent Manufacturing Systems Modeling and Applications

### **Submissions:**

Papers are invited from prospective authors with interest on the related areas. Each paper should follow the IEEE format with title, author's names, affiliation, email addresses, an up to 150-word abstract, and a two-column body with 4 to 6 single-spaced pages and with font size at 10 points. All papers must be submitted electronically in PDF format only and be mailed to [eqsong@ntu.edu.sg](mailto:eqsong@ntu.edu.sg).

### **Important Dates:**

Deadline for paper submission ----- **March 1, 2009**

Notification of acceptance ----- **April 1, 2009**

Final camera-ready papers due ----- **May 1, 2009**

### **For more information please contact:**

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