

**The IEEE CIS Tunisia Chapter  
and the National School of Engineers of Sfax  
are inviting all interested IEEE members, researchers, and students  
to a distinguished lectures presented by**

## **Russell C. Eberhart**

IEEE Fellow, Chair of the Department of Electrical and Computer Engineering, Indiana University, USA  
Professor of Electrical and Computer Engineering, Adjunct Professor of Biomedical Engineering  
<http://www.engr.iupui.edu/~eberhart/>

- Associate Editor of IEEE Transactions on Evolutionary Computation
- Past President of IEEE Neural Networks Council
- Author of over 100 technical papers
- Co-editor of Neural Network PC Tools, published by Academic Press in 1990
- Co-author of Computational Intelligence PC Tools, published by Academic Press Professional, 1996
- Co-author of Swarm Intelligence, published by Morgan Kaufmann in 2001
- Fellow of the American Institute for Medical and Biological Engineering
- Four U. S. patents
- Co-founder of Computelligence LLC



### **Areas of interest:**

- Biomedical data acquisition and analysis; pioneered use of neural networks for a number of biomedical applications, including EEG spike detection
- CI (neural nets, fuzzy logic, evolutionary computation); co-developer with Jim Kennedy of the particle swarm optimization concept
- Applications of actigraphy to neurology, sleep, and human performance assessment
- Electric and hybrid vehicle technology, including Formula Lightning racing
- Logistics and mission planning optimization

**December 17, 2010** at 09:00-12:00: *Swarm Intelligence*

**December 18, 2010** at 09:00-10.15: *Evolving Neural Networks*

10:45-12:30: *Biomedical Applications of CI*

Amphi 6, National School of Engineers of Sfax, Tunisia

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Distinguished  
Lecturer!**

**WELCOME!**