



Past Associate Director: MRC Institute 1996-2011  
Past Director: Graduate Program in Neuroscience  
Past Affiliate: Dept. of Physiology & Biophysics,  
University of Washington School of Medicine  
Director: Wells Laboratory for Computational  
Neuroscience & Mental Physics  
Past Associate Chair: Electrical & Computer Engineering  
Retired Registered Professional Engineer (Idaho)  
Past Senior Member IEEE  
Life Member Sigma Xi  
B. S. 1975, Iowa State (Electrical Engineering)  
M.S. 1978, Stanford (Electrical Engineering)  
Ph.D. 1985 University of Idaho

**Emeritus Professor:**

Electrical & Computer Engineering;  
Neuroscience

**Emeritus Adjunct Professor:**

Material Science & Engineering;  
Philosophy

**Employment History**

- 1975-1986 Development Engineer, The Hewlett Packard Company
- 1986-1989 Project Leader, The Hewlett Packard Company
- 1989-1991 Production Engineering Manager, The Hewlett Packard Company
- 1991-1993 Project Manager (R&D), The Hewlett Packard Company
- 1993-2013 Faculty Member, The University of Idaho. Emeritus 2013

**Publication Record**

- |  |                                |
|--|--------------------------------|
| • Refereed Journal and Conference Papers: 65 | On-Line Books: 19              |
| • Professional Meeting Papers: 12            | On-Line Papers & Tutorials: 42 |
| • Patents: 4                                 | Other papers/presentations: 32 |
| • Textbooks: 1                               | Total all types: 175           |

Graduate Students Supervised: 48

Other Graduate Student Committees: 73

**Professional Interests**

- Development of social-natural sciences
- Public education
- Mathematical & computer modeling of systems
- Mathematical & computer modeling of neuron physiology
- Theory of biological neural networks and mind-brain theory
- Neural networks and Embedding Field Theory
- Set Membership Theory
- Biological and Adaptive Signal Processing
- Kant's Critical Philosophy and the Critical Theory of the Phenomenon of Mind

**Classes and Teaching**

- Undergraduate and graduate electronics
- Undergraduate and graduate signal processing & systems theory
- Undergraduate and graduate coding and information theory
- Communication and Control Systems Theory
- Biological Signal Processing

home page address: <http://www.mrc.uidaho.edu/~rwells/>

web publications: <http://www.mrc.uidaho.edu/~rwells/techdocs>

VIVO Link at UI Library: <http://vivo.nkn.uidaho.edu/vivo/display/n89636>