

Boleslaw Szymanski

Claire and Roland Schmitt Distinguished Professor of Computer Science; Professor of Physics, Applied Physics, and Astronomy; Director, Network Science and Technology Center at Rensselaer Polytechnic Institute

Troy, NY, US

Specializes in network science with a current focus on social and computer networks

Biography

Dr. Szymanski's research interests span from network science, with an emphasis on social networks and computer wireless and sensor networks, to analysis and design of distributed algorithms, simulation of computers, networks and biological/ecological phenomena. His projects include spread of opinion and other dynamic processes on networks, communities in social networks, and large-scale parallel and distributed computing and simulation. Dr. Szymanski developed a novel Mutual Exclusion algorithm and led the development of the GANXIS and SpeakEasy community detection algorithms, the SENSE simulator for sensor network simulation, and VOGUE and Conceptor-based innovative HMM models.

Areas of Expertise

Computer Wireless, Computation & Information Technology, Computer Networks, Network Science, Energy and the Environment, Social Networks, Sensor Networks

Affiliations

National Academy of Science : Elected Foreign Member, Computer Society of IEEE : Member, Computer Science Journal : Editorial Board Member, Computational Methods in Science and Technology : Editorial Board Member

Education

Polish Academy of Sciences

Ph.D. Computer Science

Warsaw University of Technology

M.Sc. Electronics

Accomplishments

Wilkes Medal

2009 British Computer Society

**William H. Wiley 1866 Distinguished Faculty Award
2003**

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