

# Vincent J. Amuso, Ph.D.

Associate Professor, Electrical Engineering  
Rochester Institute of Technology



## Education:

Ph.D.  
Electrical Engineering  
Rensselaer Polytechnic Institute,  
1998.

M.S.  
Electrical Engineering  
Syracuse University,  
1989.

B.S.  
Electrical Engineering  
Western New England College,  
1987

## Areas of Specialization

- Radar Signal Processing
- SAR Image Processing
- GPR System Analysis
- Communication System Design & Analysis
- Waveform Diversity

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## Recent Publications:

- Vincent J. Amuso, R S Schneible, Y Zhang and P Antonik, "A Strength Pareto Evolutionary Algorithm (SPEA) for Multi-mission Radar Waveform Optimization", First International Conference on Waveform Diversity and Design, November 2004.
- Russell Brown, Jerry Genello, Douglas Lynch John Norgard, Michael Wicks Robert Kapfer, and Vincent J. Amuso, "System Survey of Deep penetrating Radar", Proceedings of the Tenth International Conference on Ground Penetrating Radar, Delft, the Netherlands, June 2004.
- Vincent J. Amuso, R S Schneible, Y Zhang and P Antonik, "Simultaneous Orthogonal Waveform Optimization via Evolutionary Computation", Second Annual Waveform Diversity Workshop, Verona NY, February 2004.
- Vincent J. Amuso, P Antonik, R.A. Schneible, and Y. Zhang, "Evolutionary Computation for Multi-mission Waveform Optimization", First Annual Waveform Diversity Workshop, NRL Washington DC, February 2003.
- Vincent J. Amuso, P Antonik, R.A. Schneible, and Y. Zhang, "Evolutionary Computation Approach to Multi-mission Waveform Design", Radar 2002, Edinburgh, Scotland, UK, October 2002.

## Recent Professional Experience:

- 1999–Present      Rochester Institute of Technology  
Rochester, NY, *Assistant Professor of Electrical Engineering*
- 1997–1999      Sensis Corporation, Syracuse, NY,  
*Senior Radar Systems Engineer*
- 1994–1997      Mohawk Valley Community College,  
Utica, NY, *Professor/Department Coordinator*
- 1988–1994      Lockheed Martin (formerly General  
Electric Company), Utica, NY, *Electrical Engineer*
- 1987–1988      Air Force Research Laboratory Rome,  
NY, *Electronics Engineer*