

## **Dr. Ing. Armin U. Zundel**

**Tel:** 1-(787)-622-80000 ext. 357

**Address:** Polytechnic University of Puerto Rico

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### **Highest Degree:**

Doctor of Engineering (1997) summa cum laude

“Specification and Verification of Computer Protocols using message-sequence charts”, Advisor Prof. Dr. P. Deussen

Institute for Logic, Complexity and Deduction Systems  
Faculty of Computer Science  
University of Karlsruhe, Germany

Diploma in Computer Science (comparable to M.S.) (1990)

Minor in Mechanical Engineering  
University of Karlsruhe, Germany

### **Current Work**

Associate Professor, Department of Electrical & Computer Engineering and Computer Science (ECECS), Polytechnic University, Hato Rey, Puerto Rico. Appointment start in March 2004.

CEO and founder of Inline, Internet Online Services GmbH

### **Citizenship:**

Permanent Resident

### **Research Areas**

Neural Networks, Artificial Intelligence, Software Quality Management, Adaptive User Interfaces

### **Work Experience**

Associate Professor

Teaching, Research, Supervising undergraduate Students, Member of technical Committee, Consultant for Master in Computer Science, Faculty of Computer Science, Computer Engineering

CEO Inline 1996-present

Advisory Board Member, Agivera AG., Actionresults GmbH

Trouble Management 1999-present

Restructuring

Mergers and Acquisitions

Co-operations

Business Strategy

Inline Think-Tank (off-shore) 2002-present

Recruitment

Management

Research Supervision

Fachhochschule Karlsruhe, (Technical University) Lecturer 1998

University of Karlsruhe, 1990-97

Lecturer and Researcher

Project Manager

Administrator

Board Member

Academic supervisor

Editor technical reports

Berufsakademie (Vocational School) Lecturer 1994-95

### **Selected Teaching Experience**

Software Engineering

Project Management

Object Oriented Design, UML

Introduction to programming: Pascal, C, C++

Advanced Programming: Algorithms

### **Selected Publications** (All titles translated from German)

Zundel, A. "Specification and Verification of Communication Protocols with Message-Sequence Charts", PhD Thesis, Karlsruhe University, 1998, ISBN 3-8265-3581-2.

Zundel, A. "A Method for Designing Correct Communication Protocols using Message-Sequence Charts", Gesellschaft für Informatik (similar to ACM), Formal Description Techniques for distributed Systems, pages 31-40, 1995.

Zundel, A. "Improving Software Quality Using Assertions", Gesellschaft für Informatik (similar to ACM), Software Technique Trends, vol. 12, pages 74-78, Nov. 1992.

Ziegler, P., Zundel, A., "Specification, Modeling and Analysis with Petri Nets", Scientific Collections Lecture Series, University of Karlsruhe, 1993.

Zundel, A., "Development and Evaluation of an Implementation Concept for Enhanced OSI Test Methodology", Diploma Thesis, IBM, University of Karlsruhe, 1990.

Zundel, A. "Solving the Traveling Salesman Problem with Hopfield Networks", Technical Report, University of Karlsruhe. 1988.