



Seminar Experience

ELECTRICAL & COMPUTER ENGINEERING

Friday, October 17

10:00—11:00 am

FIU Engineering Center

EC Room # 1107

www.ece.fiu.edu



“Engineering Your Research”

COL John Peeples, Ph.D.

William States Lee Professor & Department Head

Electrical and Computer Engineering

The Citadel, Charleston, SC

ABSTRACT

Dr. Peeples will share observations from a career in applied research and product development, including dendritic web growth of silicon for potential photovoltaic application, and the miniaturization and application of refrigeration to high performance computing. He will conclude his talk with an overview of Clemson University’s Multi-Megawatt Test Facility for Renewable Energy Research, located in Charleston, SC.

AREAS OF EXPERTISE

Computer Architecture, Digital Systems and Physical Electronics

RELATED EXPERIENCE

Co-Founder and Chief Operating Officer, KryoTech, Inc., advanced cooling solutions for high performance electronics, 1995-1999

Assistant Vice President of Technology, NCR Corporation, advanced electronics packaging and intellectual property governance, 1993-1996

Director of Manufacturing Technology, NCR Corporation, advanced electronics manufacturing technologies, 1991-1993

Director of Engineering, NCR Corporation, mid-range computer system development, 1989-1991

Director of Operations, NCR Corporation, mid-range computer system manufacturing, 1985-1989

Advanced Systems Development Manager, NCR Corporation, compact multi-user UNIX computer system development, 1983-1985

Product Evaluation Engineering Manager, NCR Corporation, computer systems hardware and software, 1981-1983

Development Engineer and Project Leader, NCR Corporation, component engineering and custom integrated circuit design, 1976-1981