Announcing
20 New Faculty
Including GAVRIEL SALVENDY, MEMBER
U.S. National Academy of Engineering

College of Engineering
and Computer Science
UNIVERSITY OF CENTRAL FLORIDA
DR. GAVRIEL SALVENDY, NAE
CAE Link Professor of Engineering & Computer Science
UCF Department of Industrial Engineering and Management Systems

MEMBER, U.S. NATIONAL ACADEMY OF ENGINEERING (NAE)
First elected member (1990) from the Human Factors and Ergonomics Society, for his fundamental contributions to and professional leadership in human, physical and cognitive aspects of engineering systems.

RECIPIENT, JOHN FRITZ MEDAL (2007)
Engineering profession’s highest award, for his fundamental international and seminal leadership and technical contributions to human engineering and industrial engineering education, theory and practice.

FOUNDING CHAIR
Department of Industrial Engineering, Tsingua University, Beijing, China

RECIPIENT, FRIENDSHIP AWARD, PEOPLE’S REPUBLIC OF CHINA
Highest honor the Chinese government confers on foreign experts.

RESEARCH AREAS: human aspects of design, operation and management of advanced engineering systems.

PUBLICATIONS: 573 research publications including 322 journal papers; author or editor of 47 books. Founding editor of the International Journal on Human-Computer Interaction; and Human Factors and Ergonomics in Manufacturing and Service Industries.

“I am delighted to join the UCF College of Engineering and Computer Science, and look forward to working with the dean and faculty to bring this college to the next level to achieve increased prosperity, quality of life and standard of living for people in the U.S. and around the world.” —Gavriel Salvendy
**DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING**

**ALEXANDAR DIMITROVSKI**
Assistant Professor
Ph.D. from Georgia Institute of Technology
Research: Analysis of secure power systems; modeling and analysis of power system infrastructure; smart grid; power system protection.

**RICKARD EWETZ**
Assistant Professor
Ph.D. from Rensselaer Polytechnic Institute
Research: VLSI; physical design; optimization of energy consumption; reliability; computer architecture; and circuits.

**YASER P. FALLAH**
Assistant Professor
Ph.D. from University of California, Berkeley
Research: Computer-aided design for electronic systems; microprocessors; and computer-aided design tools.

**MURAT YUNSEL**
Assistant Professor
Ph.D. from Rice University
Research: Networked and wireless systems; network economics; distributed systems; and network protocols.

**QUN ZHOU**
Assistant Professor
Ph.D. from Virginia Tech
Research: Human factors and ergonomics in manufacturing; human-computer interaction; computational biology; and bioinformatics.

**SHIBU YOOSEPH**
Professor
Ph.D. from University of Pennsylvania
Research: Nanotechnology; protein design; and systems biology.

**SHARMA THANKACHAN**
Assistant Professor
Ph.D. from Louisiana State University
Research: Data analytics in power systems; smart grid; renewable energy integration; and power electronics.

**ADAN ERNESTO VELA**
Assistant Professor
Ph.D. from Georgia Institute of Technology
Research: Air transportation systems; operations research; unmanned aerial systems; and computational biology.

**DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING**

**SAMIK BHATTACHARYA**
Assistant Professor
Ph.D. from The Ohio State University
Research: Design of robotic and mechatronic systems; machine learning; and biomechanics.

**ANDREW K. DICKERSON**
Assistant Professor
Ph.D. from Georgia Institute of Technology
Research: Multibody dynamics; structural dynamics; and fluid-structure interaction.

**TAREK A. ELGHOARY**
Assistant Professor
Ph.D. from Cornell University
Research: Mechanics of materials; mechanics of solids; and computer-aided design.

**RANAJAY GROSS**
Assistant Professor
Ph.D. from Cornell University
Research: Fluid mechanics; mechanics of solids; and computer-aided design.

**KAWAI KKWOK**
Assistant Professor
Ph.D. from California Institute of Technology
Research: Mechanics of materials; mechanics of solids; and computer-aided design.

**LOURNAE LEON**
Assistant Professor
Ph.D. from the City University of New York
Research: Biomedical engineering; soft assembly; and tissue engineering.

**DEPARTMENT OF CIVIL, ENVIRONMENTAL & CONSTRUCTION ENGINEERING**

**SAMUEL HASAN**
Assistant Professor
Ph.D. from Purdue University
Research: Human mobility; trip data analysis; smart and resilient cities; transportation networks.

**KUMARAS C. SINHA, NAE**
G صغur Lecturer and Dean, Professor Member, National Academy of Engineering
Ph.D. from University of California, Berkeley
Research: Transportation systems engineering; infrastructure asset management; project evaluation and policy analysis.

**THOMAS WAHL**
Assistant Professor
Ph.D. from University of Siegen, Germany
Research: Fluid mechanics; experimental fluid mechanics; and computational fluid mechanics.

**IVAN GARBAY**
Assistant Professor
Ph.D. from University of Central Florida
Research: Computational mechanics; mechanics of bio-inspired systems; and smart materials.

**DEPARTMENT OF INDUSTRIAL ENGINEERING & MANAGEMENT SYSTEMS**

**HEATHER KEATHLEY**
Assistant Professor
Ph.D. from Virginia Tech
Research: Human factors and ergonomics in manufacturing; human-computer interaction; and computational biology.

**GAVINEL SALVENDY, NAE**
G صغur Link Professor of Engineering & Computer Science
Member, National Academy of Engineering
Ph.D. from George Mason University
Research: Human-computer interaction; computational biology; and computer-aided design.

**ADAM ERNESTO VELA**
Assistant Professor
Ph.D. from Georgia Institute of Technology
Research: Air transportation systems; publications and researches in human-computer interaction; and design and development of unmanned aerial systems.

**DEPARTMENT OF COMPUTER SCIENCE**

**SHADMA THANHACHAN**
Assistant Professor
Ph.D. from Louisiana State University
Research: Data analytics in power systems; smart grid; renewable energy integration; and power electronics.

**SHIBU YOOSEPH**
Professor
Ph.D. from University of Pennsylvania
Research: Nanotechnology; protein design; and systems biology.

**SHARMA THANKACHAN**
Assistant Professor
Ph.D. from Louisiana State University
Research: Data analytics in power systems; smart grid; renewable energy integration; and power electronics.

**DEPARTMENT OF MATERIALS SCIENCE & ENGINEERING**

**LOURNAE LEON**
Assistant Professor
Ph.D. from the City University of New York
Research: Biomedical engineering; soft assembly; and tissue engineering.

**SAMUEL HASAN**
Assistant Professor
Ph.D. from Purdue University
Research: Human mobility; trip data analysis; smart and resilient cities; transportation networks.

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About UCF

The University of Central Florida is an emerging preeminent research institution and America’s Partnership University. Our 13 colleges provide education and opportunities to 64,000 students from all 50 states and 152 countries. Located in Orlando, Florida, UCF is one of the nation’s largest universities with 212 degree programs from which to choose.

UCF RANKINGS

Nation’s #1 workforce supplier to the aerospace and defense industry (Aviation Week, 2015, 2016).


#3 in the nation, #28 in the world, 2016 Association of Computing Machinery’s International Collegiate Programming Competition.

#19 in the nation among public universities and 40th in the world for the number of U.S. patents secured in 2015 (National Academy of Inventors).

One of only 25 public universities with Carnegie Foundation’s highest designation in two categories: community engagement and very high research activity.

College of Engineering and Computer Science

University of Central Florida

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