

# NEW FACULTY

2023 - 2024



COLLEGE OF ENGINEERING

## BIOLOGICAL SYSTEMS ENGINEERING

Abia Katimbo

## CIVIL AND ENVIRONMENTAL ENGINEERING

Nirupam Aich

## THE DURHAM SCHOOL OF ARCHITECTURAL ENGINEERING AND CONSTRUCTION

Andre Messner

## ELECTRICAL AND COMPUTER ENGINEERING

Craig Zuhlke

## ENGINEERING MANAGEMENT

Neal Lewis

## SCHOOL OF COMPUTING

Jeffrey Falkinburg

Bhuvaneshwari Gopal

Seth Polsley - Jeffrey S. Raikes School of Computer  
Science and Management



### Nirupam Aich

Associate Professor

Civil and Environmental  
Engineering  
*City Campus*

B.S., Chemical Engineering, Bangladesh University  
of Engineering & Technology

M.S., Environmental Engineering, University of  
South Carolina

Ph.D., Environmental Engineering, University of  
Texas

#### Previous Experience

Assistant Professor, University of Buffalo

#### Research

Rational design of multifunctional  
nanomaterials for treatment of legacy and  
emerging pollutants, Additive manufacturing  
or 3D printing for nano-enabled water  
treatment,  
Sustainable design of nanocomposite  
membranes for water treatment and resource  
recovery, Data driven (nano)material discovery  
for environmental remediation and separations,  
Global health inequity due to air, soil, and water  
pollution from electronic and plastic waste  
recycling



### Jeffrey Falkinburg

Assistant Professor of  
Practice

School of Computing  
*City Campus*

A.S., Electronics Systems Technology, Community  
College of the Air Force

B.S., Computer Engineering, University of  
Nebraska-Lincoln

M.S., Computer Engineering, Air Force Institute  
of Technology

#### Previous Experience

Lecturer, School of Computing, University  
of Nebraska-Lincoln; Assistant Professor,  
Aerospace studies, Air Force Reserve Officer  
Training Corp, University of Nebraska-Lincoln;  
Assistant Professor, Electrical and Computer  
Engineering, U.S. Air Force Academy

#### Expertise

VLSI Systems, Computer Architecture,  
Embedded Systems, Advanced Digital Design



**Bhuvaneshwari Gopal**

Assistant Professor of Practice

School of Computing  
*City Campus*

B.S., Physics, University of Madras  
M.Sc., Medical Physics, Anna University  
M.S., Computer Science, University of Nebraska-Lincoln  
Ph.D., Computer Science, University of Nebraska-Lincoln

**Previous Experience**

Lecturer, School of Computing, University of Nebraska-Lincoln; Assistant Director of Design Studio, Jeffrey S. Raikes School of Computer Science and Engineering, University of Nebraska-Lincoln; Senior Software Engineer, PEN-LNK, Inc.

**Expertise**

Software Engineering Education, CS Education, Software Engineering, HCI



**Abia Katimbo**

Assistant Professor and Irrigation Management Specialist

Biological Systems Engineering  
*East Campus*

B.S., Agricultural Engineering, Makerere University  
M.S., Land and Water Systems, University of British Columbia, Canada  
Ph.D., Agricultural Engineering, University of Nebraska-Lincoln

**Previous Experience**

Graduate Research Assistant, Teaching Assistant, Manuscript Reviewer

**Research**

Sensor-based irrigation management, Smart irrigation scheduling using dense wireless sensor networks, Developing irrigation decision support tools, Modeling soil water and crop water dynamics



**Neal Lewis**

**Professor of Practice**  
Engineering Management  
*Online*

B.S., Chemical Engineering, University of Missouri- Rolla  
MBA, Business Administration, University of New Haven  
Ph.D., Engineering Management, University of Missouri- Rolla

**Previous Experience**

Assistant Professor of Practice, Master of Engineering Management, University of Nebraska-Lincoln; Associate Professor, Technology Management, University of Bridgeport; Associate Professor and coordinator, Marshall University; Plant Engineer, Bayer Corporation; Section Head, The Procter & Gamble Company

**Expertise**

Engineering management, Engineering economics, Operations management, Pharmaceutical manufacturing



**Andre Messner**

**Assistant Professor of Practice**

Durham School of Architectural Engineering and Construction  
*Scott Campus*

B.S., Electrical Engineering, California State University  
M.S., Project Management, Colorado Technical University

**Previous Experience**

Senior Project Manager, Haussmann Construction Inc.; Project Manager, Kiewit Building Group; Chief Building Official, City of St. Joseph; Owner, Messner Homes, LLC; Project Manager, Fresh Connect LLC.

**Expertise**

Personnel Development, Budgeting, Negotiations, Effective Communications, Strategic Planning, Project Scheduling



## Seth Polsley

Assistant Professor of Practice

School of Computing / Jeffrey S. Raikes School of Computer Science and Management  
*City Campus*

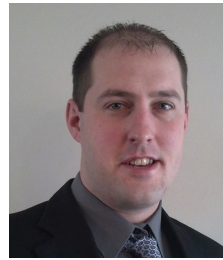
B.S., Computer Engineering, University of Kansas  
M.S., Computer Engineering, Texas A&M University  
Ph.D., Computer Engineering, Texas A&M University

### Previous Experience

Graduate Intern, Massachusetts Institute of Technology Lincoln Laboratory; Software Developer Intern, Lexmark International

### Expertise

Intelligent systems design, human-computer interaction to support novel educational and universal computing experiences, Intelligent tutoring systems, brain-computer interfaces, Natural language processors for medical and legal texts



## Craig Zuhlke

Associate Professor

Electrical and Computer Engineering  
*City Campus*

B.S., Electrical Engineering, University of Nebraska-Lincoln  
Ph.D., Electrical Engineering, University of Nebraska-Lincoln

### Previous Experience

Co-Director, Center for Electro-Optics and Functionalized Surfaces, University of Nebraska-Lincoln; Research Associate Professor, Electrical and Computer Engineering, University of Nebraska-Lincoln; Research Assistant Professor, Electrical and Computer Engineering, University of Nebraska-Lincoln

### Research

Femtosecond laser/materials interactions and on applications of metallic surfaces functionalized with a femtosecond laser, potential of the laser processed surfaces to enhance heat transfer, to reduce drag, and to provide anti-icing and anti-bacterial properties