Duke
UNIVERSITY CENTER OF EXEMPLARY MENTORING

RESEARCH SUMMIT

February 23, 2023 | 3:30 – 5:30 p.m.
French Family Science Center, Bonk Auditorium 2231

Program

WELCOME & OPENING REMARKS

Adrienne Stiff-Roberts
Duke UCEM Co-PI
Jeffrey N. Vinik Professor
Professor of Electrical and Computer Engineering
Professor in the Thomas Lord Department of Mechanical Engineering and Materials Science

PRESENTATIONS BY SLOAN SCHOLARS

Introduction
J. Alan Kendrick
Assistant Dean for Graduate Student Development

Presentations

Eduardo Ortega, Electrical & Computer Engineering
Greg Hernandez, Electrical & Computer Engineering
Amanda Barreto, Biomedical Engineering
Deleah Pettie, Biomedical Engineering
Kiarra Richardson, Biomedical Engineering
Alexis Johnson, Chemistry
Aulane Mpouli, Chemistry
Darryl Taylor, Materials Science and Engineering
Maria Acevedo, Physics
Julie Campos, Physics
John Miller, Statistical Science

KEYNOTE ADDRESS

Introduction
John Klingensmith
Senior Associate Dean for Academic Affairs

Keynote Speaker
Andrew D. Jones III
Assistant Professor of Environmental Engineering

CLOSING REMARKS

Introduction
Yan Li
Associate Dean for Graduate Programs

Closing Remarks
Suzanne Barbour
Duke UCEM Co-PI
Dean of The Graduate School
Vice Provost for Graduate Education

Keynote Speaker

ANDREW D. JONES III

Assistant Professor of Environmental Engineering

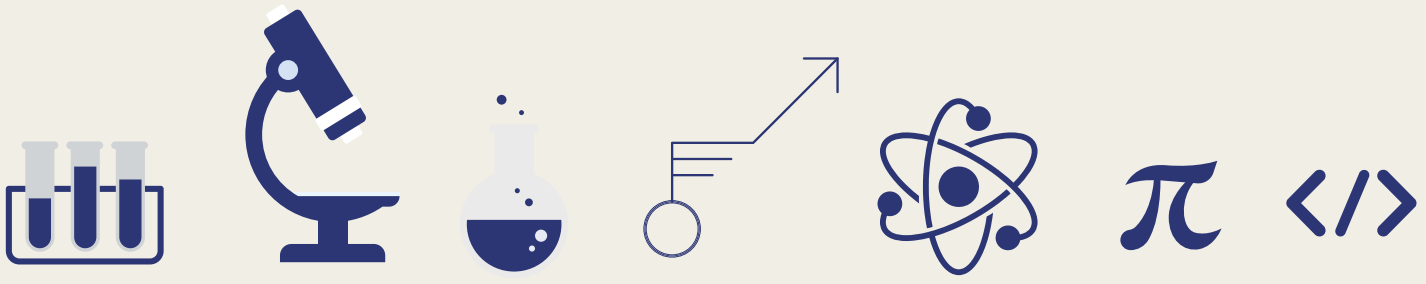
Affiliate faculty in the Mechanical Engineering and Materials Science Department, the Duke Materials Initiative, and the Integrated Toxicology & Environmental Health Program

Duke University

Akhenaton-Andrew (Andrew) D. Jones III is an assistant professor of environmental engineering and affiliate faculty in the Mechanical Engineering & Materials Science Department, the Duke Materials Initiative, and the Integrated Toxicology & Environmental Health Program at Duke University. His research uses engineering and policy analysis to help solve global challenges related to water and health.

Jones is a 2021 recipient of the NIH R35 Maximizing Investigator's Research Award to develop new models and tools for studying biofilms and a 2019 Sloan SEED fund award to develop new tools for point of use water quality monitoring systems. He was recognized as Young Investigator by the Center for Biofilm Engineering at Montana State, the premier center for biofilm research in the US.

Jones received a B.S. in mathematics and a B.S., M.S., and Ph.D. in mechanical engineering from MIT, where he was a Lemelson Presidential Fellow and an Alfred P. Sloan MPHD Scholar. He completed postdoctoral training as a Future Faculty Fellow at Northeastern University. He has directly supervised 2 high school students, over 20 undergraduates, 5 M.S. students, 5 Ph.D. students, and 2 postdoctoral trainees, including 8 from underrepresented backgrounds and 19 women. Jones and his team have presented at more than 40 conferences and seminars.



Duke UCEM Ph.D. Programs

Biomedical Engineering
Chemistry
Civil and Environmental Engineering
Computer Science
Electrical and Computer Engineering
Materials Science and Engineering
Mathematics
Mechanical Engineering and Material Sciences
Physics
Statistical Science

Thank You To

The Graduate School
Alfred P. Sloan Foundation
All the faculty and staff working to support our graduate students

Congratulations To

Duke Sloan Scholars who graduated in December 2022
Cameron Darwin, Mathematics
David Pujol, Computer Science

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