

UPCOMING CANDIDATE SEMINAR

Candidate for Instructional Assistant
Professor in Agricultural and Biological
Engineering

JANUARY 21, 2025

Frazier Rogers 122, 10:15 a.m.



**Melissa Sahl,
Ph.D.**

ETHICAL SOFTWARE
LABORATORY, CO-FOUNDER

TUESDAY, JANUARY 21
ROG 122 • 10:15 A.M.

ZOOM LINK: [HTTPS://
UFL.ZOOM.US/J/97888737576
?PWD=5Q3BIJLJG9YQMREKC
WNFPHYTWPT5Q.1](https://ufl.zoom.us/j/97888737576?pwd=5Q3BIJLJG9YQMREKCWNFPHYTWPT5Q.1)

PASSCODE: 903833
Meeting ID: 978 8873 7576

“Empowering a More Ethical and Healthy Society Through Education”

About the Seminar

Though technology benefits society in many ways, there are also fears. Privacy and artificial intelligence are just two current topics causing concern in all industries, including farming. Technology doesn't have to require sacrifice if it is designed ethically from the start, however. Education is the key to not only inform current and future engineers, but to empower them to advocate for a more ethical framework so that everyone can benefit. Coupled with a strong technical foundation for an interdisciplinary field, engineers can improve all areas of life starting from the food we all need to survive. I'll discuss how I work to empower engineers in my teaching activities to help create a more ethical and healthier world.

About Dr. Melissa Sahl

Dr. Melissa M. Sahl has an interdisciplinary background in electrical, mechanical, and software engineering as well as bioengineering with degrees from Florida Atlantic University and Florida International University. She is a specialist in robotics and mechatronics with industry experience in manufacturing and software, but her research and outreach activities have focused on technology for human health. Examples include physical rehabilitation systems, a robot for eye surgery for which she received two patents, and developing low-cost and sustainable food production technologies to increase nutrition globally. She is the co-founder of the Ethical Software Laboratory at the University of Maryland, Baltimore County and currently oversees activities to make software embedded in nearly all technology safer and better for society. She also currently works to improve access to quality education and nutrition in Africa as well as domestically.