



Ushe Chipengo

Senior Application Engineer

“Advancements in simulation will allow engineers and designers to develop impactful products with increasing ease.”

BIO

Ushe Chipengo received his B.S. degree in electrical engineering from the University of Nicosia, Cyprus in 2013. He received his MSc. and Ph.D. in electrical engineering from The Ohio State University in 2017. With a focus on electromagnetics, he has conducted research on slow wave structures for high power microwave sources, antennas, microwave circuits and computational electromagnetics.

In 2017, he joined Ansys Inc. where he is currently a Senior Application Engineer. He uses his expertise in simulation to solve a wide range of electromagnetics problems. His current research interests include slow wave structures for high power microwave sources, antenna design for automotive applications (V2V, V2I, 5G, RKE, Satellite radio etc.) and automotive radar for advanced driver assistance systems (ADAS).

SPECIALTIES

- Advanced Design
- Geometry Optimization
- Reverse Engineering
- Simulation Driven Design

RESEARCH INTERESTS

- Automotive radar
- ADAS
- Antennas
- High Power Microwave Sources



PROFESSIONAL EDUCATION

B.S Electrical Engineering: University of Nicosia

M.S Electrical Engineering: The Ohio State University

Ph.D. Electrical Engineering: The Ohio State University

PERSONAL INTERESTS

Basketball, Music, Photography, Travel

LANGUAGES

English
Shona

COMPETENCIES

SIMULATION



ENGINEERING



LEADERSHIP



Ansys PHYSICS

