

ATOMS FOR HUMANITY

SYMPOSIUM

OCTOBER 25-26

Stewart Center's Fowler Auditorium



**CLEAN ENERGY
THINK NUCLEAR**



IDEAS FESTIVAL

Atoms for Humanity aims to highlight the role of nuclear energy in achieving a clean energy ecosystem through synergisms and complementarities with various energy sources. Join us, as we host industry, government, and academic thought leaders and students, working on scientific, technical and policy approaches to attain clean energy goals.

OCTOBER 25, 2023

10:00 - 11:00 AM

Opening Remarks: Dr. Karen Plaut, Vice President (Research), Purdue University
Plenary Lecture: Dr. Paul Kearns, Director, Argonne National Laboratory

11:10 - 12:00 PM

Keynote Lecture/ Panel Discussion: Purdue-Duke Energy SMR Study

Learnings from the feasibility studies and ongoing efforts to lead the deployment of nuclear power reactor on campus.

Speaker: Chris Nolan; *Panelists:* Seungjin Kim, Michael B. Cline, Kelley Karn

LUNCH BREAK

1:30 - 3:00 PM

Keynote Lecture/ Panel Discussion: Reinvigorating Clean Energy

State-of-the-art clean energy- microreactors, and new age energy infrastructure needs.

Speakers/Panelists: John Jackson (INL), Zach McDaniel (Westinghouse), Abbey Donahue (BWXT), Rick Vilim (ANL); *Moderator:* Guillermo Paniagua-Perez (Purdue)

3:15 - 4:45 PM

Keynote Lecture/ Panel Discussion: Integrating Energy, Environment, and Health

Broader scope ranging from nuclear waste to carbon emissions and impact on health and environment.

Speakers/Panelists: J'Tia Hart (INL), Susan Hogle (ORNL), Alex Heifetz (ANL), Anton Bougaev (Oracle), Fabio Ribeiro (Purdue)

5:00-6:00 PM

Poster Session, Stewart Center Room 214

OCTOBER 26, 2023

10:00 - 10:45 AM

Opening Remarks: Dr. Wayne Chen, Associate Dean (Research), Purdue University
Plenary Lecture: Dr. Temitope Taiwo, Division Director (NSE), Argonne National Laboratory

10:50 - 12:00 PM

Keynote Lecture/ Panel Discussion: Smart Grid/ Hybrid Systems

Intelligent systems, distributed power grids and modern hybrid energy systems.

Speakers/Panelists: Youssef Ballout (INL), Jay Gore (Purdue), Dionysios Aliprantis (Purdue), Frederica Darema (InfoSymbiotic Systems Society) *Moderator:* Vivek Agarwal (INL)

LUNCH BREAK

1:30 - 3:00 PM

Keynote Lecture/ Panel Discussion: Nuclear in Space

Role of nuclear energy in space exploration and space missions.

Speakers/Panelists: Timothee Pourpoint (Purdue), Becki Owston (BWXT), Sara Sanders (Lockheed Martin), Katie Jarman (Rolls-Royce), Anthony Calomino (NASA)

3:00-5:00 PM

Facility Tour