



1201 West State Street
West Lafayette, IN 47907

The main title of the conference is "CONVERGENCE" in large, white, sans-serif capital letters. The letter 'V' is replaced by a stylized orange and red graphic of a flame or a rising sun. To the left of the 'V', the words "CONFERENCE ON" are written in a smaller, white, sans-serif font. Below the main title, the words "AND THE FUTURE OF RESEARCH" are written in a smaller, yellow, sans-serif font. The entire title is set against a background of a bright sun rising over a horizon, with a blue and white atmospheric glow.

January 24, 2019

Burton D. Morgan Center for Entrepreneurship

VOSS TALKS

TOMHERTEL
DAVIDEBERT
LEIGHRAYMOND
YONGCHEN
DONGYANXU
NATHANHARTMAN
CATHERINEHILL

15
YEARS OF GIANT LEAPS

PURDUE
UNIVERSITY

Purdue University is an equal access/equal opportunity institution.



Managing the Global Commons: Sustainable Agriculture and Use of World's Land and Water Resources

Thomas Hertel | Distinguished Professor of Agricultural Economics, College of Agriculture



Harnessing Technology and Information Fusion to Enable Resilient and Sustainable Food-Water Balance under Evolving Environmental Conditions

David S. Ebert | Silicon Valley Professor of Electrical and Computer Engineering, director of VACCINE (Visual Analytics for Command, Control, and Interoperability Environments). College of Science



Affordable Net Zero Housing and Transportation Solutions

Leigh Raymond | Professor of political science, College of Liberal Arts



Photonics Science and Technologies for Security, Energy and Healthcare Applications

Yong P. Chen | Associate Director of Research of Birk Nanotechnology Center, Director of Purdue Quantum Center, and professor, Schools of Physics and Astronomy and Electrical and Computer Engineering, College of Science



Towards Cyber-Physical Vetting of Critical Infrastructures

Dongyan Xu | Professor of computer science, College of Science



Realizing Next-Generation Smart Manufacturing

Nathan Hartman | Dauch Family Endowed Professor and Associate Head, Department of Computer Graphics Technology, and director of Purdue's Product Lifecycle Management Center of Excellence, Purdue Polytechnic Institute



Revolutionizing Control of Vector-Borne Infectious Diseases

Catherine Hill | professor of entomology and vector biology, College of Agriculture



THE VOSS TALKS

Purdue alumna Janice Voss was a pioneer in space travel for women.

One of the few women launched into space, she logged five flights, spending a total of 49 days in space and traveling 18.8 million miles in 779 Earth orbits.

When she set aside her spacesuit in 2000, Voss continued to champion the space program, leading a payload effort for NASA's station integration branch of the astronaut office and serving as a national spokesperson on space travel.

Until her death in 2012, Voss encouraged us through her words and her work to reach for the stars. Because her story has inspired so many, we've named our TED-style talks in her memory.



REGISTRATION

Registration is not required but recommended. Please visit: www.purdue.edu/discoverypark/convergence

PARKING

Event parking is available in the large lot across from Nimitz drive. Limited parking is available behind the Birck Nanotechnology Center.

SCHEDULE

11:30 - 12:30 p.m. Lunch and Learn with Discovery Park Undergraduate Research Internship (DURI) Students

12:40 - 12:50 p.m. Opening Remarks
Tomás Díaz de la Rubia, Vice President, Discovery Park

1:00 - 1:20 p.m. Thomas Hertel

1:25 - 1:45 p.m. David Ebert

1:50 - 2:10 p.m. Leigh Raymond

2:15 - 2:35 p.m. Break

2:40 - 3:00 p.m. Yong Chen

3:05 - 3:25 p.m. Dongyan Xu

3:30 - 3:50 p.m. Nathan Hartman

3:55 - 4:15 p.m. Catherine Hill

4:30 - 5:15 p.m. Faculty Panel
Big Idea Challenge
Principal Investigators

5:30 - 6:30 p.m. Reception and Closing Remarks