

Digital Engineering Conference

April 25 – 26, 2023

Attire: Business casual



Host: Christopher Ritter, Michelle Goff
Protocol Officer: Kimberly Whitehouse

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Date agenda revised: 03/31/2023

April 25

Idaho National Laboratory, Idaho Falls, Idaho
 775 MK Simpson Blvd, Idaho Falls, ID 83401

- 07:30 Registration and badging
- 08:30 Welcome and announcements..... Christopher Ritter
DICE Director, Idaho National Laboratory
- 09:00 Opening keynote..... Daniel Hettema
Director of Digital Engineering, Department of Defense

10:00 Break

- 10:30 Breakout sessions.....

Session topics

Digital twin part one	Jeren Browning, Idaho National Laboratory
Model-based design	Mark White, Los Alamos National Laboratory
Instrumentation and control systems	Rick Vilim, Argonne National Laboratory

12:00 Lunch and digital twin live demonstration

- 01:30 Breakout sessions.....

Session topics

Digital Thread	Chad Rowan, National Energy Technology National Laboratory
Model-based system engineering	Peter Suyderhoud, Idaho National Laboratory
Explainable AI	Michael Churchill, Princeton Plasma Physics Laboratory

Sponsors: Microsoft, Box, Ansys

03:30 Break

- 04:00 Afternoon keynote..... Tracee Gilbert
Founder and CEO, System Innovation

05:00 Close

06:30 - 08:30 **Welcome reception and dinner at Hilton Garden Inn**
700 Lindsay Blvd, Idaho Falls, ID 83402

April 26

07:30 Arrival and seating

08:00 Morning keynote..... **John Wagner**
Laboratory Director, Idaho National Laboratory

09:00 Breakout sessions.....

Session topics

Decision science and visualization	Damon Hartley, Idaho National Laboratory
Modeling and simulation	Cody Permann, Idaho National Laboratory
AI/ML autonomy	Jason St. John, Fermi National Accelerator Laboratory
Model-based design with federal partners, with additional digital twin demonstrations	Casey Noll, Sandia National Laboratories

10:30 Break

11:00 Mid-day keynote..... **Mike Goff**
Principal Deputy Assistant Secretary, Department of Energy - Nuclear Energy

12:00 Lunch

01:00 Breakout sessions.....

Session topics

Digital twin part two	Jeren Browning, Idaho National Laboratory
Culture and practice	Kelly Rose, National Energy Technology Laboratory
Model-based design with federal partners	Casey Noll, Sandia National Laboratories
AI/ML Applications	Shad Staples, Idaho National Laboratory

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2:30 Break

03:00 Closing keynote..... Joe Miller
President, BWXT Advanced Technologies

4:00 **Close out discussion**

April 27

07:30 – 01:00 Limited attendance laboratory tour

