



ThirdWave

TUESDAY, MAY 14  
AGENDA

# INNOVATION WORLD THE 2024 SUMMIT ON MACHINING SIMULATION

INDIANAPOLIS, INDIANA, USA

Cutting Edge R&D | Closed Session

Unless otherwise specified, all sessions will be held in Meridian Central.

12:00 - 1:00 Lunch | [Location: Meridian East](#)

**1:00 - 1:15 Introduction: Programs, Objectives, & Partners**  
Chris Kantner, Senior Engineering Manager – *Third Wave Systems*  
Third Wave Systems and our partners will present updates on simulation capability advances and their application to meet the needs of the domestic supply chain.

**1:15 - 2:30 Supporting the Supply Chain by Advancing Simulation Technology**  
Chris Kantner, Senior Engineering Manager & Tyler Roth, Lead Engineer & Fang Hou, Principal Engineer – *Third Wave Systems*  
Explore the latest technical advancements and engineering capabilities being cultivated through our Air Force Research Sponsored projects, including: 1) Machining Modeling Technology for Ni Components for Small Turbine Engines and 2) Adaptive Modeling for Low-cost Ti Components

**2:30 - 3:15 Turbocharge NPI and Continuous Improvement with Material-specific Machining Modeling**  
Hashim Al Lawati, Lead Engineer – *Third Wave Systems*  
Learn how to utilize TWS' suite of material-specific machining modeling products to build a framework that will allow you to accelerate your new process introduction and continuous improvement projects by reducing the number of machine trials required. Get it right the first time, every time.

3:15 - 3:30 Break

**3:30 - 4:00 Machine Learning Augmented Physics Modeling**  
Nasir Mannan, Principal Engineer – *CCAT*

**4:00 - 4:30 Adaptive Modeling of Composite Machining**  
Fang Hou, Principal Engineer – *Third Wave Systems*  
Overview of Third Wave System's completed composite work over the past 12 months.

**4:30 - 4:55 Connecting Technology to Need - A Roundtable Discussion**  
Chris Kantner, Senior Engineering Manager – *Third Wave Systems*

**4:55 - 5:00 Adjourn**  
Chris Kantner, Senior Engineering Manager – *Third Wave Systems*

5:00 - 5:30 Free Time

**5:30 - 8:30 Welcome Reception**  
[Location: Lanai Pool Deck](#) | [Rain Location: Panorama Ballroom](#)  
Appetizers, drinks, and networking.



Third Wave Systems  
Innovation Summit  
Feedback Survey

Third Wave Systems thanks the Air Force Research Laboratory  
for their continued support of our technology initiatives.