

Stephan Biller

Director, Dauch Center

**Harold T. Amrine Distinguished Professor School of Industrial
Engineering and Daniels School of Business**



Excellence in Manufacturing & Operations

The Future of the Dauch Center @ the Daniels School of Business

Stephan Biller

Harold T. Amrine Distinguished Professor & Director of the Dauch Center @ the Daniels School of Business

School of Industrial Engineering & Mitchel E. Daniels, Jr. School of Business

VIDEO

XMO @ Purdue

■ Thought Leadership & Innovation

- Integrated holistic physical, digital, and sustainable innovation across campus
- National & regional events to establish Purdue manufacturing & supply chain leadership
- National innovation centers & institutes



■ Lifelong Learning @ all levels of education

- Joint degrees (e.g, Integrated Business & Engineering)
- Lifelong experiential learning across all schools and degrees ($K - \infty$)
- Executive Education



■ Engagement

- Industrial entry point of SMMs & OEMs Manufacturing & Supply Chain Leaders
- Demonstrations in Engineering & Polytechnic Labs
- Proof-of-Concept @ OEMs & SMMs



Dauch Centers Role in XMO

- **Thought Leadership & Innovation**
 - Energy Transition in Transportation
 - Digital Transformation of SMMs & OEMs
 - Resilient Manufacturing & Supply Chains
 - National & Regional Conferences

November 7, 2023 @ National Academies



On behalf of Purdue's leadership and National Academy of Engineering (NAE) members, we invite you to the Regional Meeting and Symposium of the National Academy of Engineering for



*EXCELLENCE IN MANUFACTURING AND OPERATIONS (XMO) AT THE **CROSSROADS OF AMERICA***











Purdue Memorial Union, 101 Grant St, West Lafayette, IN 47906 / March 24-26, 2024

<https://bit.ly/nae24>

Dauch Centers Role in XMO

- **Thought Leadership & Innovation**
 - Energy Transition in Transportation
 - Digital Transformation of SMMs & OEMs
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 - National & Regional Conferences
- **Lifelong Learning @ all levels of education**
 - Company-driven student projects & Student Competitions
 - International Outreach
 - Executive Education

Dauch Center Student Projects

Ports Study & State Wide Electric Vehicle Disruption	Warehouse Consolidation & Material Supply	Fleet Management	Warehouse Packaging Optimization & Safety
<p>2014 – 2022 Sea-based Imports</p>  <p>State of Indiana Electric Vehicle Product Commission</p> 	<p>Wabash Inventory Planning</p> <p>Wabash Location National Site Analysis</p>  <p>Supply Chain Marketplace</p> 	<p>INDOT Snow Route Location Optimization</p> <p>INDOT Last Mile Optimization</p> 	<p>Subaru of Indiana Automotive, Inc. Drone Project</p>  <p>Rea Magnet Wire Project</p>  <p>General Electric Appliances Logistics Project</p> 

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▪ **Thought Leadership & Innovation**

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▪ **Lifelong Learning @ all levels of education**

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▪ **Engagement with community**

- Industrial entry point of SMMs & OEMs Manufacturing & Supply Chain Leaders
- User Groups for SMMs
- Federal & state-sponsored projects
- Consulting services

Thank You