

Inaugural Industrial Sponsors Day & Research Showcase - 2024
Wichita State University – Office of Research and WSU Foundation & Alumni
Engagement
In Collaboration with the Fairmount College of Liberal Arts and Sciences
April 19, 2024

9:AM Session 1: Industrial-Sponsored Research Grants

Welcome & Comments: Shirley LeFever, Executive Vice President and Provost

9:05 Brief Introduction to the Opportunities of Industry Engagement in Faculty Research for Both Academic Researchers and Companies: Coleen Pugh, Vice Provost for Research

9:20 Faculty Talk 1: Wilfredo Moscoso (Industrial, Systems and Manufacturing Engineering) - Spirit Aerosystems, Quality Fab Digital Prognostics

9:30 Faculty Talk 2: Darren DeFrain (English) - KTEC Holdings Inc, Vizling Accessibility Editing App Software

9:40 – Break for Research Showcase

10:25 Faculty Talk 3: Ramazan Asmatulu (Mechanical Engineering) - TAI USA, Improving Flame Retardancy of Fiber-Reinforced Composites via Modified Fire-Resistant Resins and Metallic Surface Film Coatings

10:35 Faculty Company Talk 1: George Bousfield (Biological Sciences) – Why and How I Established the Company GlycoForm A

10:50 Faculty Talk 5: Mai Dao and Christopher Green (Mathematics and Statistics) - Industrial Math Clinic (IMC) at WSU

11:05 Faculty Talk 4: Visvakumar Aravinthan (Electrical and Computer Engineering) - Sunflower Electric Power, Ensuring Resource Adequacy through Optimal Resource Management and Emergency Load Shedding During Extreme Event Study

11:15 Roundtable Discussion w/report back

11:45 – 12:45 Lunch Break

12:45 Company Talk: Cargill Research Collaboration with Academic Institutions
Keelynn Hanlon, Senior Scientist & Quality Lab Supervisor, Cargill

Session 2: Start-Ups and SBIR/STTR (Collaborative) Funding

13:00 Research with Start-Up Companies: Jeremy Patterson (College of Innovation and Design)

13:15 Brief Introduction to SBIR and STTR Grants, and Role of Industry Partners: Sherry Whitson, Strategic Initiatives Program Director

13:30 Faculty Talk 6: Yanwu Ding (Electrical and Computer Engineering) Airforce Phases I and II SBIR via Intelligent Fusion Technology
RACE: Radar and Communication Integrated Emitter System to Geolocate Space-Based EMI Sources
Air Force AF193-013: Enhanced Reference Emitter

13:40 – Break for Research Showcase

14:25 Faculty Talk 7: Coleen Pugh (Chemistry) - DOE Phase I STTR via Phase 3 Physics
A Flexible Lithium Neutron Shielding Material (FLiNS) Using a Novel ⁶Li-Based Composite

14:35 Faculty Company Talk 2: Vis Madhavan (Industrial, Systems and Manufacturing Engineering) – Why and How I Established the Company Fairmount Technologies

14:50 Roundtable Discussion w/report back

15:20 Concluding Remarks - WSU Foundation & Alumni Engagement
Angela Dudley, Sr AVP, Corporate & Foundation Relations
Telly McGaha, President & CEO