Day 1: October 27, 2022

8:00 – 8:30 AM	Registration and Refreshments
8:30 – 9:00 AM	Welcome and Opening of the Forum
	Fazleena Badurdeen, Chair 7th International Forum on Sustainable Manufacturing**,** Professor of Mechanical Engineering, University of Kentucky
	I.S. Jawahir, Director, Institute for Sustainable Manufacturing, University of Kentucky
	Rudy Buchheit, Dean of College of Engineering, University of Kentucky
	Shane Tedder, Campus Sustainability Officier, University of Kentucky
9:00 – 9:30 AM	"***Opportunities for Digitisation in the Transformation of the Foundation Industries in the UK: An Effective Pathway Towards Sustainable Manufacturing*** " **Mark Jolly** Professor and Director of Manufacturing University of Cranfield, United Kingdom
9:30 - 10:00 AM	"***Democratizing Smart Manufacturing*** " **Haresh Malkani** Chief Technology Officer Clean Energy Smart Manufacturing Innovation Institute
10:00 – 10:30 AM	"***Directions for Sustainable Manufacturing Standards: Towards the Circular Economy*** " **KC Morris** Leader, Information Modeling and Testing Group National Institute of Standards and Technology
10:30 – 11:00 AM	Break & Refreshments and Poster Viewing
11:00 – 12:15 PM	***Emerging Researchers in Sustainable Manufacturing***
	"***An Adaptive Cyber-Physical Sensing, Control, and Optimization Platform for Biofuel 4.0*** " **Amin Mirkouei** Assistant Professor, Department of Mechanical Engineering & Department of Industrial Technology and Technology Management Program, University of Idaho
	"***Enhancing the Sustainability of Additive Manufacturing in the Context of Industry 4.0*** " **Yiran (Emma) Yang** Assistant Professor, Department of Industrial, Manufacturing & Systems Engineering, University of Texas at Arlington
	"***Smart Finishing Testbed: Towards AI-Enabled, Real-Time Physics-Based Modeling and Adaptive Control of Surface Integrity*** " **Julius Schoop** Assistant Professor, Department of Mechanical Engineering, University of Kentucky
12:15 - 12:45 PM	"***Democratizing Additive Manufacturing Intelligence: a Precursor to a More Sustainable Future*** " **Dean Bartles** Chief Executive Officer & President, Manufacturing Technology Development Group
12:45 – 1:45 PM	Lunch and Poster Viewing Judging of 'Sustainable Manufacturing Project' Posters

1:45 - 2:15 PM	"***Making the Business Case for Sustainable Manufacturing*** " **David Rummler** Managing Director CleanTech Energy
2:15 – 2:45 PM	"***Towards Smart and Sustainable Manufacturing: Pushing AI Beyond Machine Learning*** " **Satish Bukkapatnam** Professor, Department of Industrial Engineering and Director TEES Institute for Manufacturing Systems Texas A&M University
2:45 – 3:35 PM	***Emerging Researchers in Sustainable Manufacturing***
	"Creating Rapid, Transparent, and Updateable Environmental Impact Models of Manufacturing Systems" **Daniel Cooper** Assistant Professor, Department of Mechanical Engineering, University of Michigan
	"Proclivity of Copper for the Circular Economy: Typical Methods and A Novel Process" **Joshua Werner** Assistant Professor, Department of Mining Engineering, University of Kentucky
3:35 – 4:30 PM	Break & Refreshments and Poster Viewing Judging of 'Sustainable Manufacturing Project' Posters
4:30 – 5:00 PM	**"Sustainable manufacturing and towards 'Net Zero Growth'"** **Raj Gopalaswamy** Global Technology Director (GTD) of New Domains, Novelis.
5:15 - 6:30 PM	**Networking Reception, at Grehan Building Atrium**

Day 2: October 28, 2022

8:00 – 8:30 AM	Arrival and Refreshments
8:30 – 9:00 AM	"***Decision Support Systems for Eco Design*** " **(Virtual)** **Asela Kulatunga** Senior Lecturer, Department of Manufacturing and Industrial Engineering University of Peradeniya, Sri Lanka
9:00 – 9:30 AM	"***IBM and Environmental Sustainability: Making it Part of Our DNA*** " Bill Green, Distinguished Engineer & Chief Technologist: Supply Chain Optimization, Sustainability and Protection IBM Systems Group, Supply Chain Engineering
	Emerging Researchers in Sustainable Manufacturing
	"***Deep Learning for Context-Aware Human Motion Recognition and Prediction in Human-Robot Collaboration*** " **Peng (Edward) Wang**

9:30 - 10:15 AM	Assistant Professor, Department of Electrical and Computer Engineering & Department of Mechanical Engineering, University of Kentucky
	"Smart Manufacturing to Enable Sustainability in the Post-COVID-19 Era" **Nancy Diaz El-sayed** Assistant Professor, Department of Mechanical Engineering University of South Florida
10:15 - 10:30 AM	Break & Refreshments and Poster Viewing
10:30 - 11:45 AM	**Panel Discussion: "*Sustainable Manufacturing in the Industry 4.0 Era*" Moderated by Fazleena Badurdeen**
	Haresh Malkani, CESMI
	Raj Gopalaswamy, Novelis
	Dean Bartles, MTDG
	Mark Jolly, Cranfield University, UK
	KC Morris, NIST
11:45 - 12:00 PM	**Awards Presentation and Wrap up**
12:00 - 1:00 PM	Boxed Lunch