

# Overview of Technical Program Sessions

	Machining (1670 CSE)	Forming (1690 CSE)	Mfg. Systems (1690 CSE)	Assembly (1005 Dow)	Micro/Nano (1005 Dow)	Laser Processes (1005 Dow)	Materials (1013 Dow)
<b>Wednesday</b>							
Session 1 10:30-12:00	Machining Process Analysis (1A)	--	Manufacturing Systems 1: Planning and Design (1B)	--	--	--	Material Behavior in Machining and Forming (1C)
Session 2 1:30 - 3:30	Modeling and Simulation in Machining (2A)	Forming 1: Process Design and Control (2B)	--	--	Micro/Nano 1: Process Modeling and Tool Wear (2C)	--	Processing Polymer and Bimetal Parts (2D)
<b>Thursday</b>							
Session 3 8:00-9:30	Tool Wear, Tool Life, and Surface Roughness (3A)	--	Manufacturing Systems 2: Green and Optimal Product/System Design (3B)	--	Micro/Nano 2: Processing of NonTraditional Materials (3C)	--	--
Session 4 9:45-11:45	Sensors and Process Monitoring (4A)	--	Process Planning and Numerical Control (4B)	Assebmly 1: Novel Methods and Control (4C)	--	--	Material Behavior in Welding and Impact Testing (4D)
Session 5 2:00-3:30	Machining Fluids (5A)	Forming 2: Forming of Advanced Materials (5B)	--	--	--	Laser Processes 1: Material Investigations (5C)	(see forming track)
<b>Friday</b>							
Session 6 8:30-10:00	Surface Finishing and Micro Milling (6A)	--	Manufacturing Systems 3: Modeling and Simulation (6B)	--	(see machining track)	Laser Processes 2: Novel Applications (6C)	--
Session 7 10:30-12:00	Model Based Process Design and Optimization (7A)	--	Novel Approaches to Machining, Part Positioning, and Mfg. System Representation (7B)	Assembly 2: Modeling and System Design (7C)	--	--	--