

CAPES-DFG Collaborative Research Initiative – Annual Meeting 2026 – São Paulo, Brazil

Day 1 - May 28, 2026 (Thursday)			
Time	Duration	Activity	Location
09:00	00:30	Registration and welcome coffee	InovaUSP - Ideation Room and Rooftop
09:30	00:30	Welcome addresses - USP, CAPES, DFG, Scientific Coordinators Program overview - Prof. Eduardo Zancul	InovaUSP - Ideation Room
10:00	00:30	Keynote plenary talk Chiplet Pocket Fab Concept at USP - Prof. Marcelo Zuffo (USP)	InovaUSP - Ideation Room
10:30	00:30	Coffee break and networking	InovaUSP - Rooftop
11:00	00:45	Project Presentations - Session 1 Smart EcoPass - Transformation Strategy into Smart Circular Economies through the Digital Product Passport Escola de Engenharia de São Carlos (EESC-USP) Technische Universität Berlin (TUB)	InovaUSP - Ideation Room
11:45	00:45	Enhancing Sustainability in Ceramic Tile Manufacturing through Process Simulation and Optimization Universidade Federal de Santa Catarina (UFSC) Technische Universität Hamburg (TUHH)	InovaUSP - Ideation Room
12:30	01:30	Lunch break	Sweden Restaurant
14:00	00:45	Project Presentations - Session 2 PROPHECY - Prognostic Model Selection for Predictive Maintenance and an Integrated Reinforcement Learning-based Production Scheduling in Dynamic Manufacturing Systems Universidade Federal do Rio Grande do Sul (UFRGS) Universität Bremen	InovaUSP - Ideation Room
14:45	00:45	Management of a hydrogen-based decentralized energy supply system using multi-agent reinforcement learning Universidade Federal do Rio Grande do Norte (UFRN) Rheinland-Pfälzische Technische Universität (RPTU)	InovaUSP - Ideation Room
15:30	00:30	Coffee break and networking	InovaUSP - Rooftop
16:00	00:15	Group walk to Mechanical Engineering building	USP campus
16:15	01:45	USP lab visit - Research Centre for Greenhouse Gas Innovation (RCGI) and Renewable Hydrogen Plant from Ethanol	Mechanical Engineering Building and pilot plant
18:00	00:15	Group walk back to InovaUSP	USP campus
18:15	00:45	Transfer to dinner (bus provided by the event)	Transfer

19:00	02:30	Reception at the Residence of the German Consul General, Ms. Martina Hackelberg, in São Paulo	Residence of the German Consul General
21:30		Closing <i>No transportation will be provided to hotels. We recommend that participants take a taxi or Uber</i>	

Day 2 - May 29, 2026 (Friday)			
Friday	Duration	Activity	Location
08:50	00:10	Program overview - Prof. Eduardo Zancul	InovaUSP - Ideation Room
09:00	00:45	Project Presentations - Session 3 Digital Twin - Self-learning automated manufacturing for sustainable process chain optimization Universidade Federal de Minas Gerais (UFMG) Leibniz Universität Hannover (LUH)	InovaUSP - Ideation Room
09:45	00:45	AI2SB - Integrating AI into Small Batch Manufacturing: Enhancing Customization and Efficiency through Digital Twins, Additive Manufacturing and Smart Assembly Escola Politécnica - Universidade de São Paulo (Poli-USP) Technische Universität Darmstadt (TUDa)	InovaUSP - Ideation Room
10:30	00:30	Coffee break and networking Group photo	InovaUSP - Rooftop
11:00	00:30	Keynote speech Vulkan do Brasil	InovaUSP - Ideation Room
11:30	01:00	InovaUSP Tour - Center for AI and Machine Learning and Fábrica do Futuro	InovaUSP
12:30	01:30	Lunch break	Sweden Restaurant
14:00	01:15	Future collaboration perspectives and Q&A with Program Coordinators from DFG and CAPES	InovaUSP - Ideation Room
15:15	00:15	Closing	InovaUSP - Ideation Room
15:30	02:00	Opportunity for individual project meetings	InovaUSP - Ideation Room and Meeting Rooms
17:30		End of the official program	
19:00		Suggested cultural program (optional)	