

**CaviPRO****CaviPRO MSCA Doctoral Network Project**

Modelling, Control and Applications of Hydrodynamic Cavitation

CaviPRO Summer School + Workshop (March 24th to 28th 2025)(Embedded Sessions with EC Project Officer on 25th March 2025)

Project 101113564

Venue: Technische Universität Dresden, Germany
(main location: Zeuner-Bau, Room 150, George-Bähr-Straße 3, 01069 Dresden)

Host: Vivek Ranade (vivek.ranade@ul.ie)

Co-Host: Markus Schubert (markus.schubert@tu-dresden.de)

Monday, 24th March 2025: Welcome, Scientific Training (ST)**Online-Meeting-Link** (Meeting-ID: 356 279 625 858, Password: Zx3RS7ho)

Duration	Description / Topic	Responsibility
11:00 – 12:00	Arrival of in-person participants at Venue, Coffee and Snacks	TUD
12:00 – 12:30	Welcome at CaviPRO Summer School and TUD Short introduction round	Coordinator, TUD All
12:30 – 14:00	3 x DC progress reports (WP2) each 30 min	DC1-3
14:00 – 14:30	Coffee break	
14:30 – 16:30	4 x DC progress reports (WP3)	DC4-7
16:30 – 16:45	Short Coffee break	
16:45 – 18:15	3 x DC progress reports (WP4)	DC8-10
19:00	Dinner at <i>Restaurant 1900</i>	TUD

Tuesday, 25th March 2025: EU Project Officer Sessions**Online-Meeting-Link** (Meeting-ID: 369 919 444 187, Password: 5us7bt7k)

Duration	Description / Topic	Responsibility
08:30 – 09:00	Get together	All
09:00 – 09:30	Welcome and tour de Table	All
09:30 – 10:00	Presentation by the EC Project Officer Presentation	PO
10:00 – 10:30	CaviPRO Coordinator's report	Coordinator
10:30 – 11:00	Coffee and Discussion	
11:00 – 13:00	DC1-10 presentations and discussion (each 10 min)	DCs
13:00 – 14:00	Lunch at TUD canteen	
14:00 – 15:00	Restricted session of PO with CaviPRO DCs (ZEU/150)	DCs, PO
15:00 – 15:30	Meeting of PO and CaviPRO Coordinator (ZEU/150)	PO, Coordinator
15:30 – 16:00	Coffee and Discussion	
16:30 – 17:00	Feedback and open discussion	All
18:00 – 19:00	Guided Dresden Downtown City Tour	TUD
19:00 – 21:00	Dinner at <i>The Loft Restaurant & Bar</i>	TUD

Wednesday, 26th March 2025: Lab Visits, Scientific Training (ST), Board Meetings

Duration	Description / Topic	Responsibility
09:00 – 09:30	HC devices and designs (@FRAU) Online participation: Meeting-Link (Meeting-ID: 375 501 180 220, Password: o4X3sj9k)	Coordinator
09:30 – 10:30	3D printing, manufacturing of functional components	FRAU
10:30 – 11:00	Coffee break	
11:00 – 12:30	Visit @ Additive Manufacturing Center Dresden	FRAU
12:30 – 14:00	Lunch at FRAU canteen + Transfer to TUD	
14:00 – 15:30	Sessions on Demonstrations (ZEU/150 & ZEU/148) DEMO 1 – Water treatment: Online-Meeting-Link (Meeting-ID: 346 037 189 820, Password: qK9Ka37x) DEMO 2 – Cavi-crystallisation: Online-Meeting-Link (Meeting-ID: 396 994 290 405, Password: gQ3PX7nD) DEMO 3 – Liquid-liquid reaction: Online-Meeting-Link (Meeting-ID: 361 618 101 244, Password: 3xn7Jm2E) DEMO 4 – Biomass volarisation: Online-Meeting-Link (Meeting-ID: 336 443 936 272, Password: Ny6CB9G9)	Demo Leads
15:00 – 15:30	Coffee break	
15:30 – 17:00	DC Team Building (ZEU/148) PI Board Meetings (ZEU/150): Online-Meeting-Link (Meeting-ID: 312 967 526 76, Password: Xh6Xj23b)	DCs Board Members
17:00 – 17:30	Closing Project Meeting – Part 1: Online-Meeting-Link (Meeting-ID: 346 576 051 313, Password: 4qa3M6bE)	Coordinator, All

Thursday, 27th March 2025: Transferable Skills Training (TST), Scientific Training (ST)

Duration	Description / Topic	Responsibility
09:00 – 10:30	Pitfalls, shortcuts and best practices: Scientific Publishing from a library's perspective	SLUB
10:30 – 11:00	Coffee break	
11:00 – 12:30	AI Tools for Academic Writing & Research	TUD
12:30 – 13:30	Lunch + Transfer to HZDR	
14:00 – 18:00	Visit and Hands-on experience: Flow Lab at HZDR	HZDR
18:00	Departure from HZDR	

Friday, 28th March 2025: Visit including Scientific Training (ST)

Duration	Description / Topic	Responsibility
07:00	Bus Transfer, Departure at Dresden Main Station	
11:00 – 11:30	Welcome at SIEM with coffee	SIEM
11:30 – 12:30	Industrial CFD software development, support, service	SIEM
12:30 – 13:30	Lunch	
13:30 – 15:00	Numerical aspects of computational fluid dynamics	SIEM
15:30 – 16:00	Coffee break	
16:00 – 18:00	Company visit	SIEM
18:00	Departure from SIEM	