

# Virtual VECMA All-Hands Meeting (AHM)

19<sup>th</sup>-20<sup>th</sup> May 2021, Online Meeting (time zone: BST/UTC+1)

## Agenda Day Two – 20<sup>th</sup> May

Day 2 – Thursday 20<sup>th</sup> May, GoToMeeting Access:  
<https://global.gotomeeting.com/join/340388653> Meeting ID: 340-388-653

08:50 – 09:00	<i>Login to GoToMeeting</i>	
	<b>Morning Session: Invited Talks</b>	External guests
09:00 – 09:20	Status of the UKAEA NEPTUNE project	Wayne Arter (UKAEA)
09:20 – 09:40	Towards automated decomposition and deployment of HPDAs on Big Data, Cloud and Cloud/Edge platforms with support of Computing and Deployment Patterns	Beniamino Di Martino (The University of Campania)
09:40 – 10:00	High Performance Data Analytics in HiDALGO	Dimitrios Tsoumakos (HiDALGO)
10:00 – 10:20	Beyond-5G, 6G, next generation internet and the convergence of communication and computing	Maziar Nekovee (The University of Sussex)
10:20 – 10:50	<i>Coffee break</i>	
10:50 – 11:10	UrbanAir - uncertainty quantification in modelling air quality in city districts"	Michal Kulczewski (PSNC)
11:10 – 11:30	Automating uncertainty quantification of earthquake rupture simulations with the VECMA toolkit	Eric Daub (ATI)
11:30 – 11:50	Low-dimensional surrogates for function-valued input-output relations	Christopher Albert (MPG)
11:50 – 13:00	<i>Lunch break</i>	
	<b>Afternoon Session: VECMA Talks</b>	Consortium members
13:00 – 13:20	Online learning of subgrid-scale parameterizations	Wouter Edeling (CWI)
13:20 – 13:40	Semi-intrusive Uncertainty Quantification of a 3D In-stent Restenosis Model with surrogate modeling	Dongwe Ye (UvA)
13:40 – 14:00	VVUQ analysis in application to forced human migration	Diana Suleimenova (UBRU)
14:00 – 14:20	Uncertainty Quantification in Fusion Plasma using Gaussian Processes	Yehor Yudin (MPG)
14:20 – 14:50	<i>Coffee break</i>	
14:50 – 15:10	Uncertainty quantification in high-throughput and multiscale molecular model simulations	Maxime Vassaux (UCL)
15:10 – 15:30	Simplifying Simulations with the VECMAtk	Werner Muller (UCL)
	<b>Wrap-up session</b>	
15:30 – 16:30	Discussions about how we take VVUQ and VECMAtk forward after VECMA	Peter Coveney (UCL)
16:30	<b>End of Meeting</b>	