DISPEC Training School

21-25 September 2026 | CIHEAM-MAICh, Chania, Crete, Greece

Programme

Time (EEST)	Monday, 21 September 2026	Tuesday, 22 September 2026	Wednesday, 23 September 2026	Thursday, 24 September 2026	Friday, 25 September 2026	Time (EEST)
9:00						**9:00**
9:15	*Walk in*	*Walk in*	*Walk in*	*Walk in*	*Walk in*	9:15
9:30						**9:30**
9:45	**L1.1 Introductory lecture: Ionospheric disturbances and irregularities (interactions from above and below; ionospheric climatology and weather) | Anna Belehaki (NOA), Manuel Hernandez-Pajares (UPC)**	**L2.1 Ionospheric weather models: Electron Density Reconstruction | Ivan Galkin (BGD), Anna Belehaki (NOA), Manuel Hernandez-Pajares (UPC)**	**L3.1 Machine Learning: Basic theory | Kostas Koutroumbas (NOA)**	**L4.1 Spatio-temporal features of ionospheric maps | Manuel Hernandez-Pajares (UPC), German Olivares-Pulido (UPC)**	**Hackathon working session**	9:45
10:00						**10:00**
10:15						10:15
10:30						**10:30**
10:45						10:45
11:00						**11:00**
11:15	*Coffee break*	*Coffee break*	*Coffee break*	*Coffee break*	*Coffee break*	11:15
11:30						**11:30**
11:45	**L1.2 Ground-based and space-born monitoring systems, and data processing tools | Ivan Galkin (BGD), Manuel Hernandez-Pajares (UPC), Wojciech Jarmolowski (UWM)**	**L2.2 Signal propagation modelling (propagation effects and focus on HF propagation modelling) | Vincent Fabbro (ONERA), Xavier Baumann (ONERA), Ivan Galkin (BGD)**	**L3.2 Utilisation of Machine Learning methods in Ionospheric Research | Maria Kaselimi (NOA), Kostas Koutroumbas (NOA)**	**H4.1 Detection and characterisation of spatio-temporal features of ionospheric maps | Manuel Hernandez-Pajares (UPC), German Olivares-Pulido (UPC)**	**Hackathon working session**	11:45
12:00						**12:00**
12:15						12:15
12:30						**12:30**
12:45						12:45
13:00						**13:00**
13:15	*Lunch break*	*Lunch break*	*Lunch break*	*Lunch break*	*Lunch break*	13:15
13:30						**13:30**
13:45						13:45
14:00						**14:00**
14:15						14:15
14:30						**14:30**
14:45	**H1.1 Data analysis tools: Ionogram Scaling & Identification of Ionospheric Structures | Ivan Galkin (BGD), Anna Belehaki (NOA)**	**H2.1 Identification of ionospheric anomalies through the fusion of ionosonde & GNSS TEC data | Ivan Galkin (BGD), Anna Belehaki (NOA), Manuel Hernandez-Pajares (UPC)**	**H3.1 Ionospheric Time Series Forecasting | Maria Kaselimi (NOA), Kostas Koutroumbas (NOA), Anna Belehaki (NOA)**	**Students Groups for Hackathon**	**Lecture on Open access publications (TBC)**	14:45
15:00						**15:00**
15:15						15:15
15:30				**Hackathon working session**		**15:30**
15:45					**Projects presentations**	15:45
16:00	*Coffee break*	*Coffee break*	*Coffee break*			**16:00**
16:15						16:15
16:30	**H1.2 Data analysis tools: RINEX-to-TEC & data curation | Manuel Hernandez-Pajares (UPC), Wojciech Jarmolowski (UWM)**	**H2.2 Application of ray tracing models to ionogram modelling | Vincent Fabbro (ONERA), Xavier Baumann (ONERA)**	**H3.2 Identification of Ionospheric Irregularities with Machine Learning methods | Maria Kaselimi (NOA), Kostas Koutroumbas (NOA), Anna Belehaki (NOA)**			**16:30**
16:45						16:45
17:00					**Closing sessions & certificates**	**17:00**
17:15						17:15
17:30						**17:30**