COIN-3D – 2nd Advanced course: Advanced Techniques in EDA Tool Development for Chiplet Reliability

Monday 8 December – Friday 12 December 2025, Thessaloniki, Greece

MONDAY 8 DECEMBER

11:00 - 11:15	Welcome Coffee
11:15 - 11:30	Advanced Course Opening - Dr. George Floros, UTH, TCD
11:30 - 12:30	Using Deep Learning to Accelerate FEM Thermal Analysis in Chiplet Designs - Dr. Tahani Aladwani, UGLA
12:30 - 13:15	Lunch
13:15 - 14:00	Operator-Learning for Ultra-Fast 3D-IC Thermal Simulation - Dr. Tahani Aladwani, UGLA
14:00 - 16:00	COIN-3D Project's Meeting

TUESDAY 9 DECEMBER

11:00 - 11:15	Welcome Coffee
11:15- 12:30	Increasing Reliability and Energy Efficiency in Traditional 3D Technologies - Prof. Alberto Garcia-Ortiz, UBREMEN
12:30 - 13:15	Lunch
13:15- 15:00	Increasing Reliability and Energy Efficiency in Monolithic 3D Technologies - Prof. Alberto Garcia-Ortiz, UBREMEN
15:00 - 16:00	Problem Solving - Knowledge Transfer

WEDNESDAY 10 DECEMBER

11:00 - 11:15	Welcome Coffee
11:15- 12:30	Efficient Model Architectures for 3D Chips & Edge Devices - Dr. Yixian Shen, UVA
12:30 - 13:15	Lunch
13:15- 15:00	Efficient Generative Models for Reliable Generative Vision - Dr. Yixian Shen, UVA
15:00 - 16:00	Problem Solving - Knowledge Transfer

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THURSDAY 11 DECEMBER

11:00 - 11:15	Welcome Coffee
11:15 - 11:50	Design Space Exploration based on Q-Learning for 2D Bin-packing Problems - George Gkountroumanis, UTH
11:50 - 12:30	GNN Workshop - Fotini Oikonomou, UTH
12:30 - 13:15	Lunch
13:15 - 15:00	STaRFormer: Semi-Supervised Task-Informed Representation Learning via Dynamic - Dr. Shameem A Puthiya Parambath, UGLA
15:00 - 16:00	Problem Solving - Knowledge Transfer

FRIDAY 12 DECEMBER

11:00 - 11:15	Welcome Coffee
11:15- 12:30	High-Performance Thermal Modeling for Distributed Computing Infrastructures - Dr. Pavlos Stoikos, UTH
12:30 - 13:15	Lunch
13:15- 14:00	System-level Aware Power Delivery Network Generator for Multiprocessor Systems - Maria Pantazi, UTH
14:00 - 15:00	Closing Ceremony

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