

INTERNATIONAL SCHOOL ON ARTIFICIAL INTELLIGENCE FOR COGNITIVE TECHNOLOGIES: ISACT 2024

Day 1: 10th December (Tuesday)

| Naples (CET) | Speaker | Topic |
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| 13:00 | -- | Registration, Welcome and Introduction |
| 14:00 | Dr Chiara Bartolozzi Istituto Italiano di Tecnologia, Italy | Session #1: Event-driven Perception for Robotics |
| 16:00 | -- | Coffee Break |
| 16:30 | Prof Massimo Buonomo International Electrotechnical Commission | Session #2: AI Act and Human Rights in AI: A Model for Global Legislation |

Day 2: 11th December (Wednesday)

| Naples (CET) | Speaker | Topic |
|-----------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 09:00 | School participants | Research presentations |
| 10:30 | --- | Coffee Break |
| 11:00 | Prof Dr Sanjay Ghosh Indian Institute of Technology Kharagpur, India | Session #3: Graph Machine Learning for Brain Connectivity Analysis |
| 12:00 | Erasmo Purificato European Commission, Italy; Otto von Guericke University Magdeburg, Germany | Session #4: Fairness Analysis of Graph Neural Networks for Behavioural User Modelling |

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| 13:00 | --- | Lunch |
| 14:00 | Dr Giulia D'Angelo Czech Technical University in Prague, Czech Republic | Session #5: What's catching your eye? - Bioinspired and neuromorphic algorithms to model visual attention |
| 15:30 | -- | Coffee Break |
| 16:00 | Dr Stefano Nolfi Italian National Research Council (CNR), Italy | Session #6: Integration and Transfer of Action and Language Knowledge in Learning Robots |

Day 3: 12th December (Thursday)

| Naples (CET) | Speaker | Topic |
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| 09:00 | Dr Bhalaji Nagarajan Universitat de Barcelona, Spain | Session #7: Learning with Noisy and limited labels* |
| 10:30 | --- | Coffee Break |
| 11:00 | Prof Dr Sebastian Stober Otto von Guericke University Magdeburg, Germany | Session #8: Cognitive XAI* |
| 13:00 | --- | Lunch |
| 14:00 | Dr Soumick Chatterjee Human Technopole, Italy; Otto von Guericke University Magdeburg, Germany | Session #9: From Pixels to Trust: Harnessing AI for Medical Imaging Excellence |
| 15:00 | --- | Coffee Break |
| 15:30 | School participants | Research presentations #2 |
| 16:00 | Dr Christoph Guger G.Tec, Austria | Session #10: BCI & Neurotechnology* |
| 20:00 | --- | Social Event #3: School Dinner |

Day 4: 13th December (Friday)

| Naples (CET) | Speaker | Topic |
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| 09:30 | Prof Dr Allegra De Filippo Alma Mater Studiorum Università di Bologna, Italy | Session #11: Sustainable AI |
| 11:00 | --- | Coffee Break |
| 11:30 | Prof Dr Fedelucio Narducci and Dr Domenico Lofù <i>supported by Tommaso Colafoglio and Paolo Sorino</i> Politecnico di Bari, Italy | Session #12: AI for BCI, with hands-on workshop* |
| 13:30 | --- | Lunch |
| 14:30 | Prof Dr Andreas Nürnberger Otto von Guericke University Magdeburg, Germany | Session #13: XAI in Interactive Search Systems |
| 16:00 | --- | Coffee Break |
| 16:30 | School participants | Research presentations #3 (if required) |
| 17:00 | School participants | Abridgement: Take-home Pitch Presentations |
| 17:15 | --- | Closing remarks |

*Note: Some parts of the programme and some topics are currently being finalised with the speakers and will be updated online soon.