

## GRAPES 1<sup>st</sup> Doctoral School: Machine learning for shapes

### Monday, February 1<sup>st</sup>

|       |   |
|-------|---|
| 11:00 | <b>Tutorial [Part A]:</b> Pierre Alliez (Inria & GF): Clustering algorithms and introduction to persistent homology - <i>Chair: I. Emiris</i> |
| 12:30 | <i>Lunch break</i>  |
| 14:00 | <b>Tutorial [Part B]:</b> Pierre Alliez (Inria & GF): Machine Learning 101 and Neural networks - <i>Chair: I. Emiris</i>                      |
| 15:30 | <i>Coffee break</i>   |
| 17:00 | <b>Invited talk:</b> Thierry Chevalier (Airbus): Industrial interest in learning, processing & optimising shapes - <i>Chair: I. Emiris</i>    |
| 18:00 | End of the day  |

### Tuesday, February 2<sup>nd</sup>

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| 11:00 | <b>Tutorial [Part A]:</b> Yannis Avrithis (Inria & Athena RC): Deep learning and computer vision - <i>Chair: M. Salamo</i> |
| 12:30 | <i>Lunch break</i>   |
| 14:00 | <b>Tutorial [Part B]:</b> Yannis Avrithis (Inria & Athena RC): Deep learning and computer vision - <i>Chair: M. Salamo</i> |
| 15:30 | <i>Coffee break</i>  |
| 16:00 | <b>Supervisory Board meeting (restricted)</b>  |
| 17:00 | End of the day   |

### Wednesday, February 3<sup>rd</sup>

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| 11:00 | <b>Tutorial [Part A]:</b> Michael Bronstein (USI & Imperial College London) - <i>Chair: A. Mantzaflaris</i>            |
| 12:30 | <i>Coffee break</i>  |
| 13:00 | <b>Tutorial [Part B]:</b> Michael Bronstein (USI & Imperial College London) - <i>Chair: A. Mantzaflaris</i>            |
| 14:30 | <i>Lunch break</i>   |
| 16:00 | <b>"Social" activities:</b> Virtual tours of the Acropolis: #1 and #2, and VR 360° video tour of the Acropolis Museum. |

### Thursday, February 4<sup>th</sup>: [Midterm meeting with the Project Officer](#)

### Friday, February 5<sup>th</sup>

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| 11:00 | <b>Tutorial [Part A]:</b> Maria Salamo (UB): Point-cloud analysis and classical Machine Learning techniques - <i>Chair: G. Muntingh</i> |
| 12:30 | <i>Lunch break</i>  |
| 14:00 | <b>Tutorial [Part B]:</b> Simone Balocco (UB): Deep learning approaches - <i>Chair: G. Muntingh</i>                                     |
| 15:30 | <i>Coffee break</i>   |
| 16:00 | <b>Educational Committee Meeting (restricted)</b>   |
| 17:00 | End of the day  |

### Monday, February 8<sup>th</sup>

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| 11:00 | <b>Tutorial [Part A]:</b> Alexander Leutgeb (RISC-Software): Dynamic Cutting Force Prediction (During Simulation of Machining Processes) - <i>Chair: A. Fabri</i>                              |
| 12:00 | <i>Lunch break</i>   |
| 14:00 | <b>Tutorial [Part B]:</b> Christoph Hofer (RISC-Software): Dynamic Cutting Force Prediction (During Simulation of Machining Processes) - <i>Chair: A. Fabri</i>                                |
| 15:00 | <i>Coffee break</i>  |
| 17:00 | <b>Seminar:</b> Elli Papadopoulou (Athena RC/ OpenAIRE) and Iryna Kuchma (Electronic Information for Libraries - eifl / OpenAIRE): Managing and sharing research outputs: all you need to know |
| 18:15 | End of the Doctoral School   |

**All times are Greek local time (EET=UTC+2=GMT+2)**