

Doctoral School II and ESR Days in Barcelona

Monday

- 13:00 Lunch
- 14:30 **Designing with elastic curves**
David Brander
- 16:00 Coffee break
- 16:30 **Macaulay style formulae for the sparse resultant**
Martin Sombra
- 18:00 University building tour
- 18:30 Welcome reception

Tuesday

- 9:30 **Towards Efficient Matrix Assembly in Isogeometric Analysis**
Bert Jüttler
- 11:00 Coffee break
- 11:30 **Towards Efficient Matrix Assembly in Isogeometric Analysis**
Bert Jüttler
- 13:00 Lunch
- 14:30 **Total positivity in CAGD**
Carla Manni
- 16:00 Coffee break
- 16:30 **Total positivity in CAGD**
Carla Manni
- 18:00 Supervisory Board meeting

Wednesday

- 9:30 **Geometric modeling and syzygies**
Hal Schenck
- 11:00 Coffee break
- 11:30 **Geometric modeling and syzygies**
Hal Schenck
- 13:00 Lunch
- 14:30 **Iterated discriminants and singular space curves**
Alicia Dickenstein
- 16:00 Coffee break
- 16:30 **Iterated discriminants and singular space curves**
Alicia Dickenstein
- 18:00 Educational committee meeting
- 20:30 Social Dinner

Thursday

- 9:30 **Liaison Theory with a view towards Algebraic Geometry**
Rosa Maria Miro Roig
- 11:00 Coffee break
- 11:30 **Liaison Theory with a view towards Algebraic Geometry**
Rosa Maria Miro Roig
- 13:00 Lunch
- 16:30 Visit to Sagrada Familia
- 18:00 Walking tour of Barcelona

Friday

- 9:30 **Fellow's presentations and discussions**
Alvaro Fuentes Suárez
Yairon Cid Ruiz
Evangelos Bartzos (On the bounds of maximal embeddings of rigid graphs)
Jan Legerský (Graphs with Flexible Labelings allowing Injective Realizations)
- 11:00 Coffee break
- 11:30 **Fellow's presentations and discussions**
Theofanis Katsoulis
Sotirios Chouliaras (IGA-BEM for lifting flows)
Konstantinos Gavriil (Optimizing B-spline surfaces for developability and paneling architectural freeform surfaces)