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Trieste Algebraic Geometry Summer School (TAGSS) 2019 - Algebraic Geometry towards Applications | (smr 3306)

Monday 01 July 2019

notitle - Budinich Lecture Hall (LB) (08:30-17:00)

| time | title | presenter |
|-------|---|-------------------------|
| 08:30 | Administrative and Financial formalities | |
| 09:30 | Opening remarks | |
| 09:40 | Lecture 1: Algebraic models | DI ROCCO, Sandra |
| 11:10 | Coffee break | |
| 11:30 | Lecture 1: Reaction networks with mass-action kinetics: biochemical notions, algebraic notions, dynamical notions | DICKENSTEIN, Alicia |
| 13:00 | Lunch break | |
| 14:30 | Exercise/Software session 1 | |
| 15:45 | Coffee break | |
| 16:00 | Contributed talk 1: "Parameter identifiability for a class of biochemical reaction networks" | JERONIMO, Gabriela Tali |
| 16:30 | Contributed talk 2: "Polyhedral methods for chemical reaction networks" | OBATAKE, Nida |

notitle - Leonardo Building Terrace (19:30-21:30)

| time | title | presenter |
|-------|-------------------|-----------|
| 19:30 | Welcome Reception | |

Tuesday 02 July 2019

notitle - Budinich Lecture Hall (LB) (09:00-17:00)

| time | title | presenter |
|-------|--|---------------------|
| 09:00 | Lecture 2: Algebraic sampling | DI ROCCO, Sandra |
| 10:30 | Group Photo | |
| 10:35 | Coffee break | |
| 11:00 | Lecture 2: Steady state invariants | DICKENSTEIN, Alicia |
| 12:30 | Lunch break | |
| 14:00 | Lecture 3: Classical projective invariants | DI ROCCO, Sandra |
| 15:30 | Coffee break | |
| 15:45 | Exercise/Software session 2 | TIMME, Sascha |

Wednesday 03 July 2019

notitle - Budinich Lecture Hall (LB) (09:30-14:00)

| time | title | presenter |
|-------|--|---------------------|
| 09:30 | Lecture 4: Euclidean Distance Degree | DI ROCCO, Sandra |
| 11:00 | Coffee break | |
| 11:30 | Lecture 3: Algebraic and combinatorial tools | DICKENSTEIN, Alicia |
| 13:00 | Lunch break | |

notitle - (19:30-22:00)

| time | title | presenter |
|-------|-------------------|-----------|
| 19:30 | Conference Dinner | |

Thursday 04 July 2019

notitle - Budinich Lecture Hall (LB) (09:00-16:45)

| time | title | presenter |
|-------|--|----------------------|
| 09:00 | Lecture 5: Bottleneck Degree | DI ROCCO, Sandra |
| 10:30 | Coffee break | |
| 11:00 | Lecture 4: The structure of enzymatic networks | DICKENSTEIN, Alicia |
| 12:30 | Lunch break | |
| 14:00 | Exercise/Software session 3 | WEINSTEIN, Madeleine |
| 15:15 | Coffee break | |
| 15:45 | Contributed talk 3: "On the product of the singular values of a binary tensor" | SODOMACO, Luca |
| 16:15 | Contributed talk 4: "3264 Conics in a Second" | TIMME, Sascha |

Friday 05 July 2019

notitle - Budinich Lecture Hall (LB) (09:00-16:00)

| time | title | presenter |
|-------|--|------------------------|
| 09:00 | Lecture 5: Multistationarity | DICKENSTEIN, Alicia |
| 10:30 | Coffee break | |
| 11:00 | Exercise/Software session 4 | |
| 12:15 | Contributed talk 5: "Voronoi Cells of Varieties" | WEINSTEIN, Madeleine |
| 12:45 | Lunch break | |
| 14:00 | Contributed talk 6: "Logarithmic differential forms and applications" | ALEKSANDROV, Aleksandr |
| 14:30 | Contributed talk 7: "The twisted cotangent bundle of a hyperkahler manifold" | ANELLA, Fabrizio |
| 15:00 | Contributed talk 8: "Homotopy type of the moduli spaces of G-Higgs bundles: the real reductive case" | NOZAD, Azizeh |
| 15:30 | Contributed talk 9: "Circulant matrices and Galois-Togliatti systems" | DE POI, Pietro |