International School

"Singularities, Blow-up and Non-Classical Problems in Nonlinear PDEs for youth"

Program

(Moscow time, UTC+3)

November, 13, Wednesday

Connection link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_MWQ0ZGFlMDYtNzhlZS00MzZkLWExMWQtN2M2MGZlNTQ5ZWQ3%40thread.v2/0?context=%7b%22Tid%22%3a%222ae95c20-c675-4c48-88d3-f276b762bf52%22%2c%22Oid%22%3a%22c77ebb4b-5b0b-4aa8-b0f1-626029322c14%22%7d

11:00-12:00	**Prof. Laurent Véron**, *University of Tours, France* The singularity problems in nonlinear elliptic equations: history and progress. Lecture 1
12:15-13:15	**Prof. Juncheng Wei**, *Chinese University of Hong Kong, Hong Kong, China* Parabolic Gluing Methods and Type II Blow-up of Fujita Equation. Lecture 1
13:30-14:30	**Prof. Lijun Zhang**, *Zhejiang University of Science and Technology, China* Traveling wave solutions to nonlinear wave equations: dynamical system approach. Lecture 1

November, 14, Thursday

Connection link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTRkMDExYjQtN2UyOS00MjY1LWIyNTgtMDY3N2EyYzI3ZjRj%40thread.v2/0?context=%7b%22Tid%22%3a%222ae95c20-c675-4c48-88d3-f276b762bf52%22%2c%22Oid%22%3a%22c77ebb4b-5b0b-4aa8-b0f1-626029322c14%22%7d

10:00-11:00 **Prof. Moshe Marcus**, *Technical University Technion, Israel*
Boundary value problems for elliptic semi-linear equations with measure data

11:15-12:15 **Prof. Laurent Véron**, *University of Tours, France*
The singularity problems in nonlinear elliptic equations: history and progress. Lecture 2

12:30-13:30 **Prof. Juncheng Wei**, *Chinese University of Hong Kong, Hong Kong, China*
Parabolic Gluing Methods and Type II Blow-up of Fujita Equation. Lecture 2

November, 15, Friday

Connection link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDE3YjJlZDktMmVhMi00MDZjLWFlYmQtNGMyMjExYThhMTc4%40thread.v2/0?context=%7b%22Tid%22%3a%222ae95c20-c675-4c48-88d3-f276b762bf52%22%2c%22Oid%22%3a%22c77ebb4b-5b0b-4aa8-b0f1-626029322c14%22%7d

10:00-11:00	**Prof. Florica Cirstea**, *Sydney University, Australia* Singularities for nonlinear elliptic equations with singular potentials and gradient-dependent lower-order terms. Lecture 1
11:15-12:15	**Prof. Quoc Hung Nguyen**, *Chinese Academy of Sciences in Beijing, China* Well-posedness for local and nonlocal quasilinear evolution equations in fluids and geometry. Lecture 1
12:15-14:15	**Break time**
14:15-15:15	**Prof. Lijun Zhang**, *Zhejiang University of Science and Technology, China* Traveling wave solutions to nonlinear wave equations: dynamical system approach. Lecture 2
15:30-16:30	**Prof. Alessio Porretta**, *University of Rome Tor Vergata, Italy* Singularities and blow-up in viscous Hamilton-Jacobi equations. Lecture 1

November, 16, Saturday

Connection link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDhmNzAwN2EtODBjMS00NTE3LWE2NWUtY2U5MTM1M2VmZDdh%40thread.v2/0?context=%7b%22Tid%22%3a%222ae95c20-c675-4c48-88d3-f276b762bf52%22%2c%22Oid%22%3a%22c77ebb4b-5b0b-4aa8-b0f1-626029322c14%22%7d

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12:30-13:30	**Prof. Alessio Porretta**, *University of Rome Tor Vergata, Italy* Singularities and blow-up in viscous Hamilton-Jacobi equations. Lecture 2