Programme on

"Modern Maximal Monotone Operator Theory: From Nonsmooth Optimization to Differential Inclusions"
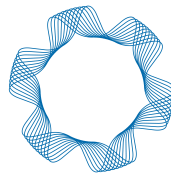
January 28 – March 8, 2019

organized by

Heinz H. Bauschke (U of British Columbia), Radu I. Boţ (U Vienna), Hélène Frankowska (U Paris VI), Michael Hintermüller (Weierstrass Inst. Berlin), D. Russell Luke (U Göttingen)

Lecture Series on

"Optimal Control and PDE Constrained Optimization"

February 4 – 7, 2019

VIENNA
DOCTORAL
SCHOOL
MATHEMATICS

- **Monday, February 4, 2019**

  09:15 – 10:45 **Fredi Tröltzsch**
  An introduction to the optimal control of nonlinear partial differential equations (I)

  10:45 – 11:15 *Coffee / Tea break*

  11:15 – 12:45 **Hélène Frankowska**
  Optimal controls for evolution control systems (I)

  12:45 – 14:30 *Lunch break*

  14:30 – 16:00 **Piermarco Cannarsa**
  Singularities of solutions to Hamilton-Jacobi equations (I)

- **Tuesday, February 5, 2019**

  09:15 – 10:45 **Piermarco Cannarsa**
  Singularities of solutions to Hamilton-Jacobi equations (II)

  10:45 – 14:30 *Lunch break*

  14:30 – 16:00 **Fredi Tröltzsch**
  An introduction to the optimal control of nonlinear partial differential equations (II)

- **Wednesday, February 6, 2019**

  09:15 – 10:45 **Fredi Tröltzsch**
  An introduction to the optimal control of nonlinear partial differential equations (III)

  10:45 – 11:15 *Coffee / Tea break*

11:15 – 12:45 **Michael Hintermüller**
Optimal control of nonsmooth structures (I)

12:45 – 14:30 *Lunch break*

14:30 – 16:00 **Hélène Frankowska**
Optimal controls for evolution control systems (II)

- **Thursday, February 7, 2019**

  09:15 – 10:45 **Michael Hintermüller**
  Optimal control of nonsmooth structures (II)

  10:45 – 14:30 *Lunch break*

  14:30 – 16:00 **Piermarco Cannarsa**
  Singularities of solutions to Hamilton-Jacobi equations (III)

All lectures take place at ESI, Boltzmann Lecture Hall!