

SCIENTIFIC PROGRAM

MONDAY, JULY 9, 2018

8:00 Registration

8:50 Opening ceremony
Luboš Pick | Prague
Jiří Rákosník, Prague

9:00 – 9:55 On the structure of measures satisfying a differential constraint
Guido De Philippis | SISSA, Trieste

10:00 – 10:55 The quantitative isoperimetric inequality and related inequalities in quantitative form
Nicola Fusco | Università di Napoli

11:00 – 11:30 Coffee break

11:30 – 12:25 Regularity and uniqueness results for minimizers
Jan Kristensen | University of Oxford

12:30 – 15:00 Lunch break

15:00 – 15:55 The Haar basis in Hardy-Sobolev type spaces
Tino Ullrich | Universität Bonn

16:00 – 16:30 Coffee break

16:30 – 16:55 Weak regularity of the inverse under minimal assumptions
Stanislav Hencl, Aapo Kauranen, Rami Luisto | Charles University, Prague

17:00 – 17:25 Weak regularity of the inverse under minimal assumptions
Rami Luisto | Charles University, Prague

17:30 – 17:55 Gagliardo-Nirenberg inequality reproof
Tomáš Roskovec | University of South Bohemia, České Budějovice

MONDAY

TUESDAY, JULY 10, 2018

9:00 – 9:55 **Gabor frame and modulation spaces**
Karlheinz Gröchenig | NuHAG, Universität Wien

10:00 – 10:55 **The Haar basis in Hardy-Sobolev type spaces**
Tino Ullrich | Universität Bonn

11:00 – 11:30 *Coffee break*

11:30 – 12:25 **On the structure of measures satisfying a differential constraint**
Guido De Philippis | SISSA, Trieste

12:30 – 15:00 *Lunch break*

15:00 – 17:00 **BOHUMÍR OPIC 70 SPECIAL SESSION**

WEDNESDAY, JULY 11, 2018

9:00 – 9:55 **The quantitative isoperimetric inequality and related inequalities in quantitative form**

Nicola Fusco | Università di Napoli

10:00 – 10:55 **Regularity and uniqueness results for minimizers**

Jan Kristensen | University of Oxford

11:00 – 11:30 *Coffee break*

11:30 – 12:25 **Gabor frame and modulation spaces**

Karlheinz Gröchenig | NuHAG, Universität Wien

12:30 – 15:00 *Lunch break*

16:00 – 18:00 **Sightseeing tour of Prague – walking tour**

Meeting point: Conference venue

18:00 **Conference dinner**

Malostranská Beseda - PUB

Malostranské náměstí 21, Prague 1

THURSDAY, JULY 12, 2018

9:00 – 9:55 **The Haar basis in Hardy-Sobolev type spaces**

Tino Ullrich | Universität Bonn

10:00 – 10:55 **On the structure of measures satisfying a differential constraint**

Guido De Philippis | SISSA, Trieste

11:00 – 11:30 *Coffee break*

11:30 – 12:25 **The quantitative isoperimetric inequality and related inequalities in quantitative form**

Nicola Fusco | Università di Napoli

12:30 – 14:30 *Lunch break*

14:30 – 14:55 **Sharp relationships between function spaces of smoothness zero**

Oscar Domínguez | Universidad Complutense de Madrid

15:00 – 15:25 **A note on bilinear multipliers on Orlicz spaces**

Alen Osančič | Universidad de Valencia

15:30 – 15:55 **Approximation modulus of path families and BV spaces**

Jan Malý | Charles University, Prague

16:00 – 16:30 *Coffee break*

16:30 – 16:55 **Sobolev embeddings and Frostman measures**

Luboš Pick | Charles University, Prague

17:00 – 17:25 **On the regularity of solutions to quasi-linear PDEs**

Markus Weimar | Ruhr-Universität Bochum

17:30 – 17:55 **Measures of non-compactness of Sobolev embeddings**

Ondřej Bouchala | Charles University, Prague

18:00 – 18:25 **Image of the set of finite perimeter**

Luděk Kleprlík | FIT CTU, Prague

FRIDAY, JULY 13, 2018

9:00 – 9:55 **Regularity and uniqueness results for minimizers**
Jan Kristensen | University of Oxford

10:00 – 10:55 **Gabor frame and modulation spaces**
Karlheinz Gröchenig | NuHAG, Universität Wien

11:00 – 11:30 *Coffee break*

11:30 – 11:55 **Function spaces and invariance properties**
Hans Feichtinger | University of Vienna

12:00 – 12:25 **Characterizations of associate spaces of weighted Sobolev spaces**
Elena P. Ushakova | Computing Center of FEB RAS, Khabarovsk

12:30 – 14:30 *Lunch break*

14:30 – 14:55 **Riesz potential in the local Morrey-Lorentz spaces and some applications**
Abdulhamit Kucukaslan | Institute of Mathematics, Czech Academy of Sciences, Prague

15:00 – 15:25 **Functional properties of a scale of rearrangement invariant spaces**
Hana Turčinová | Charles University, Prague

15:30 – 15:55 **Weighted norm inequalities for positive operators restricted on the cone of p -quasiconcave functions**
Amiran Gogatishvili | Institute of Mathematics, Czech Academy of Sciences, Prague

16:00 – 16:30 *Coffee break*

16:30 – 16:55 **On a notion of minimal dispersion**
Jan Vybíral | Czech Technical University, Prague

17:00 – 17:25 **Extended Gevrey regularity and microlocal analysis**
Nenad Teofanov | University of Novi Sad

17:30 – 17:55 **Extended Gevrey regularity and related topics**
Filip Tomić | University of Novi Sad

SATURDAY, JULY 14, 2018

- 9:00 – 9:25** **Products of resolvents in $\text{Cat}(0)$ spaces**
Golamreza Zamani Esgandani, M. Raeisi | University of Tabriz
- 9:30 – 9:55** **Generalized weighted composition operators between some spaces of analytic functions**
Hamid Vaezi, Ebrahim Abbasi | University of Tabriz
- 10:00 – 10:25** **Riesz potential in the local Morrey-Lorentz spaces and some applications**
Abdulhamit Kucukaslan | Institute of Mathematics, Czech Academy of Sciences, Prague
- 10:30 – 10:55** **Sharp relationships between function spaces of smoothness zero**
Oscar Domínguez | Universidad Complutense de Madrid
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- 11:00 – 11:30* *Coffee break*
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- 11:30 – 11:55** **On approximation of solutions of nonlinear regular hypo-elliptic equations on unbounded domains**
Gurgen V. Dallakyan | Russian-Armenian (Slavonic) University, Yerevan
- 12:00 – 12:25** **The existence of periodic solutions for Liénard's equations with some resolution methods**
Abdellah Azdoud | University Mohamed V Rabat