SIMONS SEMESTER at the Banach Center of the Polish Academy of Sciences
Registration and funding oportunities:

www.impan.pl/en/activities/banach-center/conferences/19simons-xii

GEOMETRY AND ANALYSIS IN FUNCTION AND MAPPING THEORY ON EUCLIDEAN AND METRIC MEASURE SPACES

Polskie Towarzystwo Matematyczne - Oddział Warszawski
Instytut Matematyczny PAN
Międzynarodowe Centrum Matematyczne im. Stefana Banacha

zapraszają na colloquium

Pekka Koskela (Jyväskylä University)

Functional properties of Sobolev extensions

3 października 2019, godz. 14:15, sala 321

Przed colloquium, o godz. 13:45, zapraszamy na kawę i herbatę w sali klubowej (409)

Abstract:

A given domain (open and connected set) in a Euclidean space may or may not have the property that each function in a Sobolev space defined over the domain is actually the restriction of a function in the analogous Sobolev space to the domain in question. In the positive case, there is a bounded extension operator. I will discuss results related to the dependence of this extension property on the integrability degree and on the number of derivatives in the definition of the chosen Sobolev space. I will also give the other known functional properties for this kind of extendability. A number of open problems and conjectures get stated.

ORGANIZERS: Tomasz Adamowicz • Tomasz Cieślak • Antoni Kijowski • Nageswari Shanmugalingam • Marta Szumańska

SIMONS FOUNDATION

rok zał. 1919 ptm

Banach Center
INSTITUTE OF MATHEMATICS PAS