

2 PhD and 1 post-doc positions at Wrocław University of Technology

Wed, 2012-05-30 09:34 - [Lukas Theussl](#) [1] **At:** Wrocław, Poland

Deadline: 30 June, 2012

Location

Institute of Physics, WUT Wrocław Poland

51° 6' 28.386" N, 17° 2' 18.7368" E

INSTITUTION Wrocław University of Technology, Faculty of Fundamental Problems in Technology, Institute of Physics

CITY Wrocław, Poland

POSITION 2 PhD student and 1 post-doc positions

DISCIPLINE theoretical physics

POSTED 29.05.2012

EXPIRES 30.06.2012

WEBSITE www.if.pwr.wroc.pl [2]

for information and application please direct to, [lucjan \[dot\] jacak \[at\] pwr \[dot\] wroc \[dot\] pl](mailto:lucjan.jacak@pwr.wroc.pl)

KEY WORDS

topological methods, braid groups, composite fermions, Laughlin correlations, fractional quantum Hall effect, topological insulators, topological information processing

DESCRIPTION (field, expectations, comments):

Two PhD student and one post-doc positions are announced for realization of the project of NCN (National Center for Science),

Application of braid groups in physics and in informatics (for 2D Hall systems explanation of composite fermion structure and geometry of information)

for the period 2012-2017 (two stages 2012-2015 and 2015-2017)

coordinator, Lucjan Jacak

selection decision, 31.07.2012

conditions for candidates:

- education – theoretical physics and/or mathematics/computer science,
- scientific degree – MSc (for PhD student position) PhD (for post-doc position) in close related discipline, theoretical physics of condensed matter with emphasizing of many body quantization or topology methods, mathematics in the area of algebraic topology,
- preferred experience in Hall system physics.

The EU policy of equal opportunities will be applied towards inclusion of women participation.

- [Postdoc](#) [3]

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