

## CURRICULUM VITAE

Olli Toivanen

**Identity:** Olli Toivanen, male, Finnish citizen, born in 1982

### Degrees:

1. Doctor of philosophy (mathematics),  
University of Eastern Finland, Joensuu, 2013  
Doctoral thesis: "Minimizers and superminimizers of variational integrals with non-standard growth"
2. Licentiate of philosophy (mathematics),  
University of Joensuu, Joensuu, 2009

**Research interests:** Regularity properties of minimizers with non-standard growth (ie. generalized Orlicz spaces, variable exponent Lebesgue spaces), the theory and applications of variable exponent analysis, image processing, calculus of variations, geometric analysis, potential theory and nonlinear partial differential equations

### Work experience and grants:

September 2017 → :  
course teacher (*tuntiopettaja*),  
University of Eastern Finland (Kuopio)

April – June 2017:  
Associate professor (*adiunkt*),  
Institute of Mathematics, Polish Academy of Sciences (IM PAN) Warsaw,  
funded by the Institute

October 2016 – January 2017:  
Senior lecturer (*universitetslektor*),  
University of Umeå

September 2014 – August 2016:  
Assistant professor (*adiunkt*),  
Institute of Mathematics, Polish Academy of Sciences (IM PAN) Warsaw,  
funded by the Warsaw Center for Mathematics and Computer Science

September 2013 – June 2014:  
Course teacher (*tuntiopettaja*),  
University of Eastern Finland (Joensuu)

April 2007 – August 2013:

Graduate student at the University of Joensuu and the University of Eastern Finland, funded by the department, the faculty, and a position in the Finnish National Doctoral Programme in Mathematics and its Applications

**Teaching experience:** At UEF, over 700 hours of homework direction in Finnish and English, over 100 hours of which for advanced (laudatur-level) courses. Additionally: full teaching responsibility on the following courses:

- At UEF, Introduction to topology (4 ECTS credits), spring 2013
- At UEF, Analysis II (9 ECTS credits), fall 2013
- At the University of Turku, Continuity in metric spaces (2 ECTS credits, Erasmus teacher exchange), 3.–12.11.2015
- At the University of Warsaw, Mathematical Analysis I and II (homework direction), 2015–6
- At the University of Umeå, Stochastic differential equations (7.5 ECTS credits), 2016–7
- At UEF Kuopio, 2017 → : Real Analysis II, Basic Calculus, etc.

**Conferences:** Twelve conferences in Finland, Poland, Sweden, China; a talk given in seven: Variable Exponent Analysis (Oulu 2010), CMFT (Shantou 2013), Variable exponent theory and applications (IM PAN Warsaw 2014), PDEs, Potential Theory, Function spaces in honor of Lars Hedberg (Linköping 2015), Symposium on Nonlinear Analysis (Toruń 2015), X Forum of Partial Differential Equations (Będlewo 2016), Nonstandard Growth Analysis and its Applications (IM PAN Warsaw 2017).

**Other:**

Language skills: Finnish (first language), English (excellent), Swedish, Polish and German (working knowledge)

Referee for *Annales Polonici Mathematici* and a reviewer for MathSciNet