**University Lecturer, Jorma Joutsenlahti, Faculty of Education, University of Tampere;**

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**Key research**

Mathematics education // Mathematical thinking // Languaging of mathematical thinking // Mathematics textbooks // Pedagogy of university mathematics

**Education**

2005 PhD, Education, especially Mathematics Education, Faculty of Education, University of Tampere

**Employment history**

2012- University lecturer (in didactics of mathematics, class teachers and subject teachers), Faculty of Education, University of Tampere

2003-2012 Lecturer in the didactics of the mathematics, Department of Teacher Education, University of Tampere

2000-2003 Lecturer in the didactics of the mathematics (periodic employment), Department of Teacher Education, class teacher education, University of Tampere

1988-2002 Senior lecturer in mathematics and physics, upper secondary school and secondary school of Tervakoski , Janakkala (leave of absence 1999, 2000 –2002).

**Research leadership and project participation (selected)**

* 2014-2015: The director of the research group (School of Education, UTA): Subject‐matter didactics in teacher education (SMD)

**Selected peer-reviewed academic publications (2007-2017)**

* Joutsenlahti Jorma, Kulju Pirjo.(2017). Multimodal Languaging as a Pedagogical Model - A Case Study of the Concept of Division in School Mathematics. Education Sciences 7 (1), 9.
* Joutsenlahti Jorma, Ali-Löytty Simo, Pohjolainen Seppo.(2016). Developing Learning and Teaching in Engineering Mathematics with and without Technology. Teoksessa Engineering Education on Top of the World: Industry University Cooperation: SEFI European Society for Engineering Education.
* Silfverberg Harry, Joutsenlahti Jorma.(2014). Prospective teachers' conceptions about a plane angle and the context dependency of the conceptions. Teoksessa Nicol Cynthia, Oesterle Susan, Liljedahl Peter, Allan Darien (toim.) PME 38 / PME-NA 36 Proceedings Vancouver, Canada July 15-20, 2014: Of the 38th Conference of the International Group for the Psychology of Mathematics and the 36th Conference of the North American Chapter of Psychology of Mathematics Education: VOLUME 5. Vancouver, Canada: PME, 185-192.