

Research projects where Torresen is project manager or principal investigator

On-going

- [Centre for Interdisciplinary Studies in Rhythm, Time and Motion \(RITMO\)](#), **Research Council of Norway** (RCN). An interdisciplinary Centre of Excellence at the University of Oslo composed of principle investigators from three different faculties at the university – Dept. of Informatics (ROBIN group), Musicology and Psychology. *Principal Investigator and one of three cluster leaders*. Period: 2018-2028 (selected among 150 applicants, 11% funded).
- [Collaboration on Intelligent Machines \(COINMAC\)](#), **Research Council of Norway** (RCN) INTPART call. *Project manager*. Period: 2017-2020. Total amount: NOK 3,495,000 (EUR 400,000) (28% of prop. funded)
- [Introducing personalized Treatment Of Mental health problems using Adaptive Technology \(INTROMAT\)](#), **Research Council of Norway** (RCN) IKTPLUS Lighthouse call. *Principle Investigator*. Period: 2016-2021 ~NOK 5,000 000 (EUR 520,500) (4% of prop. funded)
- [In silico Pathology - Improving diagnosis by utilizing Big Data and software-driven automation of pathology \(DoMore!\)](#), **Research Council of Norway** (RCN) IKTPLUS Lighthouse call. *Principle Investigator*. Period: 2016-2021, Amount assigned our research group: ~NOK 3,000 000 (EUR 312,500) (4% of prop. funded)
- [Multimodal Elderly Care Systems \(MECS\)](#), **Research Council of Norway** (RCN) IKTPLUS (2 PhDs and 1 post-doc), *Project manager*. Period: 2015-2019. Total amount: NOK 12,000,000 (EUR 1,240,000). (10% of prop. funded)
- [Engineering Predictability with Embodied Cognition \(EPEC\)](#), **Research Council of Norway** (RCN) FRINATEK (2 PhDs and 1 post-doc), *Project manager*. Period: 2015-2019. Total amount: NOK 9,000,000 (EUR 1,050,000). (10% of prop. funded)

Finished

- [Study Programmes For Programmable Logic Development by Remote Lab \(SPLUF\)](#). Funding from **Norgesuniversitetet**. Goal: Establish two remote teaching courses on hardware design with learning materials and remote labs available through the Web. *Project manager*, project P70/2014, Period: 01.01.2014 – 31.12.2016. NOK 1 000 000 (EUR 120 000).
- [Organizing the "22nd Int. Conference on Field Programmable Logic and Applications \(FPL\)"](#) in Oslo, 2012. Financial conference organizing support from the **Research Council of Norway**. *Project manager*, project no 214057, NOK 250 000 (EUR 34 000).
- [European Digital Virtual Design lab \(eDiViDe\)](#), Action **Erasmus** Multilateral Projects, Lifelong Learning Programme, 518565-LLP-1-2011-1-BE-ERASMUS-ESMO. Period: 01.10.2011-30.09.2014. 4 partners assigned EUR 300 000 in total. Goal of partner UiO: Establish a real lab setup accessible remotely by students and others through Internet demonstrating partial reconfiguration of FPGA. *Coordinator of the partner UiO*.
- [Engineering Proprioception in Computing Systems \(EPiCS\)](#) **EU integrating project (IP)** in ICT Call 5: FP7-ICT-2009-5 Self-Awareness in Autonomic Systems, **FET Proactive**. Grant agreement no: 257906. UiO is one of eight partners. *Coordinator of the partner UiO*. UiO goal: Bio-inspired algorithms for proprioceptive systems, and an active music demonstrator. Period: 01.09.2010 – 31.08.2014. Amount assigned UiO: EUR 536 644. Review three last years concluded with “Excellent progress”.
- [Context Switching Reconfigurable Hardware for Communication Systems](#). The **Research Council of Norway** R&D project for one post-doc and two Ph.D. students. Goal: Develop architectures and tools for run-time reconfigurable hardware and demonstrate effectiveness with use-cases. *Project manager*. Period: 01.07.2009 – 31.12.2013. Total amount: NOK 10,002,000 (EUR 1,266,000). (16% of proposals funded)
- [Sensing Music-related Actions](#). The **Research Council of Norway** R&D project for one post-doc and one Ph.D. candidate. Goal: Understanding motion – music relations and apply it for development of interfaces and devices for an active music experience. *Project partner*. Multidisciplinary collaboration with Dept. of Musicology, UiO. Period: 01.07.2008 – 31.12.2012. Total amount: NOK 6,444,000 (EUR 816,000).

- [Biological-Inspired Design of Systems for Complex Real-World Applications \(BIDSCA\)](#). The Research Council of Norway R&D project for one Ph.D. candidate, equipment and research visits. Project no. 160308/V30. Goal: Develop schemes and architectures for evolving systems for complex real-world applications. *Project manager*. Period: 01.04.2004 – 02.03.2009. Total amount: NOK 2,045,000 (EUR 259,000).