

Curriculum Vitae

of Tobias Hansson

RESEARCH POSITIONS

(2018-) Research fellow (biträdande universitetslektor), Department of Physics, Chemistry and Biology (IFM), Linköping University, Sweden

At present, I am a research fellow at Linköping University, Sweden. This position is funded by a starting grant from the Swedish Research Council. My research activities concern nonlinear optics, photonics and electromagnetic modeling, with particular emphasis on the theoretical modeling of the spatio-temporal dynamics of optical frequency combs, mode-locked lasers and microresonator devices.

(2017-2018) Postdoctoral researcher (assegnista di ricerca), Dipartimento di Ingegneria dell'Informazione, Università degli Studi di Brescia, Italy

Between July 2017 and May 2018 I worked as a postdoctoral fellow with the University of Brescia, Italy. During the part of this period, from November 2017 to May 2018, I was a Marie S.-Curie fellow with a grant from the MULTIPLY COFUND action. My research was primarily focused on modeling of the nonlinear dynamics of optical frequency combs in microresonator devices featuring cubic and quadratic nonlinearities.

(2016 - 2017) Postdoctoral researcher, Institut National de la Recherche Scientifique, Centre Énergie, Matériaux, Télécommunications, Canada

Between June 2016 and May 2017 I worked as a postdoctoral fellow in the ultra-fast optical processing group, led by Prof. Roberto Morandotti, at INRS-EMT in Canada. My research activities were concerned with the theoretical modeling of mode-locked lasers and microresonator feedback systems, as well as the study of light-matter interaction in biological suspensions.

(2014 - 2016) Postdoctoral researcher, Department of Applied Physics, Chalmers University of Technology, Sweden

Between June 2014 and May 2016, I worked as an International Postdoc with Chalmers University of