

MOSAIC Workshop

20 Years of Spin torque driven magnetization dynamics: From fundamentals to applications

15-18th June 2016, Varberg Sweden

<http://fp7-mosaic.eu/>

Its close to 20 Years since the predictions by Slonczewski and Berger in 1996 of the spin momentum transfer effect. The huge research activity initiated by this has opened amongst others the path to novel concepts for microwave components. This 3 day workshop, organized in the frame of the **MOSAIC** EC project, will gather scientists working in this and related subject areas to discuss advances on magnetization dynamics induced by and/or based on spin transfer effects and their potential for applications.

The main topics for the workshop include fundamental and applied aspects on

- microwave signal generation and manipulation in spin torque and spin Hall nano-oscillators
- frequency detection by spin torque diode and other effects
- magnonics, magnon spintronics and spin-wave logic
- magnetization dynamics including coupling and synchronization mechanisms and excitation of magnetic textures

The conference is organized on **15-18th June 2016** in Kurort Hotel Varberg, Sweden (<http://www.comwell.com/english/home/varbergskurort>).

Abstracts for contributed oral and poster presentations should be submitted before **20th April 2016** at <http://fp7-mosaic.eu/mosaic-workshop>.

Conference fees (including full housing and conference access) are 350€/participant to be paid on site. For a limited number of young researchers (PhD students, postdocs) a travel grant will be awarded, selected from the submission of outstanding oral and poster contributions.

