

Table of contents

Wednesday 27 September 2017	1
-----------------------------------	---

Foundations and Applications of Nanomechanics | (smr 3177)

Wednesday 27 September 2017

notitle - Kastler Lecture Hall (AGH) (09:00-19:00)

time	title	presenter
09:00	Reservoir engineering for amplification and nonreciprocal devices	NUNNENKAMP, Andreas
09:40	Cavity optomechanical cooling beyond the resolved sideband limit	YUN-FENG XIAO (PEKING UNIVERSITY, CHINA)
10:20	Coffee break	
10:50	Mini-Project Presentation	
11:20	Water-wave lasers	TAL CARMON (TECHNION, ISRAEL)
12:00	Quantum non-demolition measurement of the radiation field exploiting its mechanical interaction	FRANCESCO MARIN (UNIVERSITY OF FLORENCE, ITALY)
12:40	lunch break	
14:30	From quantum synchronisation to time-crystals	ROSARIO FAZIO (ICTP, ITALY)
15:10	Ultra-coherent Soft-clamped Mechanical Resonators for Quantum Optomechanics and Force Sensing	ALBERT SCHLIESSER (NIELS BOHR INSTITUTE COPENHAGEN, DENMARK)
15:50	Coffee break	
16:30	ICTP Colloquium - Light and Motion at the Nanoscale	MARQUARDT, Florian