

Date	Unit	Candidate	Thesis title
8.01.2019	PVLAB	Ana Cristina Oliveira Martins	Glass-free lightweight PV building elements: solutions to minimize weight and maximize durability
10.01.2019	LAI	Guillaume Burnand	Small-scale very-high-speed slotless permanent magnet motors
25.01.2019	LAMD	Karim Magdi Zakaria Abdelrahman Shalash	An experimental study of gaz lubricated foil journal bearings using an instrumented rotor with wireless telemetry
01.02.2019	ICALB	Vincent Camus	Design of approximate and precision-scalable circuits for embedded multimedia and neural-network processing
14.02.2019	PVLAB	Oscar Esteban Rucavado Leandro	Defect passivation in zinc tin oxide: improving the transparency-conductivity trade-off and comparing with indium-based materials
28.02.2019	LAMD	Patrick Hubert Wagner	Integrated design, optimization, and experimental testing of the world's smallest steam-driven recirculation fan for solid oxide fuel cell systems
03.05.2019	LAI	Jonathan André Jean-Marie Chavanne	Cylindrical Dielectric Elastomer Actuator for Cardiac Assist Device
10.05.2019	LMTS	Francesca Sorba	Elasotmer-based pneumatic device to measure the mechanical properties of cell monolayers
24.05.2019	PVLAB	Federica Landucci	A multi-technique approach to study the microstructural properties of tin-based transparent conductive oxides
12.07.2019	LMTM	Annick Pauline Baur	Variant selection in martensitic steels
29.07.2019	LMTS	Reto Wiesendanger	Development and performance evaluation of a high mass resolution time of flight laser ablation ionisation mass spectrometer
28.08.2019	LAMD	Markus Diehl	Mitigation of tip leakage induced phenomena in a low Reynolds number centrifugal compressor via blade loading distribution
20.09.2019	LMTS	Xiaobin Ji	Low voltage fast dielectric elastomer actuators
25.10.2019	LAMD	Philipp Kaspar Bättig	Flexible support and enhanced groove geometries for gas lubricated bearings
13.12.2019	NAM	Raoul Kirner	On advanced large-field photolithography