



## Dissipation Mechanisms in Nano/Mesoscale Tribological Systems | (SMR 3713)

30 May 2022 - 02 Jun 2022  
ICTP, Italy

### 4 Directors

1. <b>MEYER Ernst</b>	(In Pers.)	University of Basel	Switzerland
2. <b>TOSATTI Erio</b>	(In Pers.)	ICTP, SISSA	Italy
3. <b>VANOSSI Andrea</b>	(In Pers.)	CNR-IOM & SISSA	Italy
4. <b>ZHENG Quanshui</b>	(Online)	Tsinghua University	People's Republic of China

### 32 Lecturers

1. <b>BENASSI Andrea</b>	(In Pers.)	Chiesi Farmaceutici	Italy
2. <b>BENNEWITZ Roland</b>	(In Pers.)	INM - Leibniz Institute for New Materials	Germany
3. <b>CAO Xin</b>	(In Pers.)	Department of Physics, University of Konstanz	Germany
4. <b>CARPICK Robert W.</b>	(In Pers.)	University of Pennsylvania, School of Engineering and Applied Science, Dept. Mechanical Engg. & Applied Mechanics	United States of America
5. <b>CHANDROSS Evan Michael</b>	(In Pers.)	Computational Materials and Data Science, Sandia National Laboratories	United States of America
6. <b>DRUMMOND SUINAGA Carlos Alberto</b>	(In Pers.)	Centre de Recherche Paul Pascal, CNRS	France
7. <b>FASOLINO Annalisa</b>	(In Pers.)	Institute for Molecules and Materials, Radboud University	Netherlands
8. <b>GIACOMELLO Alberto</b>	(In Pers.)	Sapienza University of Rome Department of Mechanical and Aerospace Engineering	Italy
9. <b>GNECCO Enrico</b>	(In Pers.)	Jagiellonian University	Poland
10. <b>GOSVAMI Nitya Nand</b>	(Online)	Indian Institute of Technology Delhi	India
11. <b>GOTSMANN Bernd Walter</b>	(Online)	IBM Research GmbH, IBM Zurich Research Laboratory	Switzerland
12. <b>HEIMBURG Thomas</b>	(In Pers.)	Niels Bohr Institute University of Copenhagen	Denmark
13. <b>KOREN Elad</b>	(Online)	Technion - Israel Institute of Technology	Israel
14. <b>LÖWEN Hartmut</b>	(In Pers.)	University of Dusseldorf	Germany
15. <b>MA Ming</b>	(Online)	Department of Mechanical Engineering, State Key Laboratory of Tribology, Center for Nano and Micro Mechanics, Tsinghua University	People's Republic of China
16. <b>MA Tianbao</b>	(Online)	Tsinghua University State Key Laboratory of Tribology	People's Republic of China

17.	<b>MANINI Nicola</b>	(In Pers.)	Department of Physics Universita` degli Studi di Milano	Italy
18.	<b>MARCHETTI Maria Cristina</b>	(Online)	University of California Santa Barbara, Department of Physics	United States of America
19.	<b>MARKS Daniel Laurence</b>	(Online)	Northwestern University, Dept Mat Sci & Eng	United States of America
20.	<b>MARTINI Ashlie</b>	(Online)	University of California Merced	United States of America
21.	<b>MEHLSTÄUBLER Tanja Elisabeth</b>	(In Pers.)	Physikalisch-Technische Bundesanstalt & Leibniz Universität Hannover	Germany
22.	<b>MÜSER Martin Helmut</b>	(Online)	Saarland University Department of Materials Science and Engineering	Germany
23.	<b>PASTEWKA Lars</b>	(In Pers.)	University of Freiburg	Germany
24.	<b>PAWLAK Remy</b>	(In Pers.)	Department of Physics, University of Basel	Switzerland
25.	<b>PERSSON Bo</b>	(In Pers.)	Forschungszentrum Julich GmbH, Institut für Festkörperforschung (IFF)	Germany
26.	<b>PETHICA John Bernard</b>	(In Pers.)	Trinity College	Ireland
27.	<b>RIEDO Elisa</b>	(Online)	New York University	United States of America
28.	<b>SCHIRMEISEN Andre</b>	(Online)	Justus-Liebig University Giessen	Germany
29.	<b>SIRIA Alessandro</b>	(In Pers.)	CNRS ENS Ecole Normale Supérieure Paris, LPS Laboratoire de Physique Statistique	France
30.	<b>TIERNO Pietro</b>	(In Pers.)	Universitat de Barcelona Departament d-Estructura i Constituents de la Materia	Spain
31.	<b>URBAKH Michael</b>	(Online)	Tel-Aviv University, School of Chemistry	Israel
32.	<b>VILHENA ALBUQUERQUE D'OREY Jose Guilherme</b>	(In Pers.)	Department of Physics, University of Basel	Switzerland

## 10 Speakers

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1.	<b>BUZIO Renato</b>	(In Pers.)	CNR SPIN	Italy
2.	<b>CAFOLLA Clodomiro</b>	(In Pers.)	PHYSICS DEPARTMENT DURHAM UNIVERSITY	United Kingdom
3.	<b>CIHAN Ebru</b>	(In Pers.)	TU Dresden Chair of Materials Science and Nanotechnology	Germany
4.	<b>GUERRA Roberto</b>	(In Pers.)	Università degli Studi di Milano	Italy
5.	<b>MESCOLA Andrea</b>	(Online)	CNR- Istituto Nanoscienze, Centro S3	Italy
6.	<b>NOEL Olivier</b>	(In Pers.)	CNRS, Laboratory of Physics of Condensed State Materials - LPEC	France
7.	<b>OLLIER Alexina</b>	(In Pers.)	Swiss Nanoscience Institut (SNI) Department of Physics, University of Basel	Switzerland

8.	<b>OUYANG Wengen</b>	(Online)	Department of Engineering Mechanics Wuhan University	People's Republic of China
9.	<b>PETRI Alberto</b>	(In Pers.)	Consiglio Nazionale delle Ricerche Istituto dei Sistemi Complessi	Italy
10.	<b>PIERNO Matteo</b>	(In Pers.)	University of Padua Department of Physics and Astronomy "G. Galilei"	Italy

## 49 Participants

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1.	<b>AL HASSAN Mohamadou</b>	(Online)	Harbin Engineering University, College of Materials Science and Chemical Engineering, Institute of Composites Material.	People's Republic of China
2.	<b>ALIASGARI Mojgan</b>	(In Pers.)	Islamic Azad University west branch	Islamic Republic of Iran
3.	<b>AMINIAN Hamed</b>	(Online)	Foolad Gostar Atieh Sepahan (FGAS) company	Islamic Republic of Iran
4.	<b>BAYKARA Mehmet Zeyyad</b>	(Online)	University of California Merced, Department of Mechanical Engineering	United States of America
5.	<b>CAO Wei</b>	(Online)	Department of Physical Chemistry Tel Aviv University	Israel
6.	<b>CHEN Yun</b>	(In Pers.)	Tel Aviv University, School of Chemistry, Department of Physical Chemistry	Israel
7.	<b>CREMASCHINI Sebastian</b>	(In Pers.)	University of Padova. Dipartimento di Fisica ed Astronomia Galileo Galilei. Lafsi group.	Italy
8.	<b>DJOLIEU Funaye Medine</b>	(Online)	University of Yaounde 1/ Laboratory of Mechanic, Materials and Structure.	Republic of Cameroon
9.	<b>DJOUMEKAM MOUAFO Maelle Laure</b>	(Online)	Djoumekam Mouafo Maelle Laure	Republic of Cameroon
10.	<b>DJUIDJE KENMOE EPSE ALOYEM K. Germaine</b>	(Online)	University of Yaounde I, Faculty of Science, Department of Physics, Laboratory of Mechanics	Republic of Cameroon
11.	<b>DONFACK TSAGNI ÉPOUSE JAZA FOLEFACK Nelly Ariane</b>	(Online)	University of Yaounde 1, Faculty of Science, Department of physics, Laboratory of mechanic, Applied physics	Republic of Cameroon
12.	<b>FOKOU KENFACK Wilson</b>	(Online)	Laboratory of Mechanics, Department of Physics, Faculty of sciences, University of Yaounde I	Republic of Cameroon
13.	<b>GAO Xiang</b>	(In Pers.)	Tel Aviv University. School of Chemistry, The Raymond and Beverly Sackler Center for Computational Molecular and Materials Science. Supervisor: Professor Michael Urbakh and Oded Hod	Israel
14.	<b>GERBI Andrea</b>	(Online)	CNR-SPIN Superconducting and other Innovative materials and devices	Italy
15.	<b>GIANETTI Melisa Mariel</b>	(In Pers.)	Physics Department, Room A/T/S6 University of Milan	Italy

16.	<b>GUPTA Akash</b>	(In Pers.)	Nanolino lab, Department of Physics, University of Basel Klingelbergstrasse 82, 4056 Basel	Switzerland
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19.	<b>KANG Dennis</b>	(Online)	TU Dresden - Max Bergmann Center of Biomaterials	Germany
20.	<b>KHOSRAVI Ali</b>	(In Pers.)	SISSA, International School for Advanced Studies ICTP, The Abdus Salam International Centre for Theoretical Physics	Italy
21.	<b>KISIEL Marcin Rafal</b>	(In Pers.)	Departement Physik Universitat Basel	Switzerland
22.	<b>MAZO TORRES José Juan</b>	(Online)	Universidad Complutense de Madrid	Spain
23.	<b>MOTCHONGOM TINGUE EPSE TAGNE Marceline</b>	(Online)	Department of Fundamental Sciences The University of Bamenda	Republic of Cameroon
24.	<b>MOUSSA HASSANE Ayoub</b>	(Online)	Harbin Engineering University, College of Nuclear Science and Technology	People's Republic of China
25.	<b>MOVAHEDI Behrooz</b>	(Online)	Department of Nanotechnology Engineering, Faculty of Advanced Sciences and Technologies, University of Isfahan	Islamic Republic of Iran
26.	<b>MUKHERJEE Ayshi</b>	(Online)	Nanoelectronics Lab, Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research	India
27.	<b>NOIREZ Laurence Marie</b>	(Online)	Université Paris-Saclay CEA-CNRS	France
28.	<b>OLSON Peter Karl</b>	(Online)	Northwestern University Department of Materials Science and Engineering, Laurence D. Marks Group	United States of America
29.	<b>OO Hnin Wai</b>	(Online)	University of California, Merced	United States of America
30.	<b>PAOLICELLI Guido</b>	(Online)	Istituto Nanoscienze, CNR	Italy
31.	<b>QURESHI Tauseef Muhammad</b>	(Online)	Assistant Professor Department of Basic Sciences, College of Preparatory Year University of Hail, Hail Kingdom of Saudi Arabia	Saudi Arabia
32.	<b>RYAZANOV Vasyi Vasyi</b>	(Online)	Institute for nuclear research, department of theoretical physics	Ukraine
33.	<b>SADEGHI Ali</b>	(In Pers.)	Physics Department Shahid Beheshti University	Islamic Republic of Iran
34.	<b>SANTORO Giuseppe Ernesto</b>	(In Pers.)	SISSA, International School for Advanced Studies	Italy
35.	<b>SHIH En-Min</b>	(Online)	NIST	United States of America
36.	<b>SHOUSHTARIAN MOFRAD Masoud</b>	(Online)	"Fara Sazeh Alvand" engineering company	Islamic Republic of Iran

37.	<b>SILVA Andrea</b>	(In Pers.)	-	Italy
38.	<b>SONG Yiming</b>	(In Pers.)	University of Basel, Department of Physics	Switzerland
39.	<b>SPASOV Georgi Hristov</b>	(In Pers.)	SISSA Condensed Matter Theory Group	Italy
40.	<b>STANKOVIC Igor</b>	(In Pers.)	Institute of Physics Belgrade	Serbia
41.	<b>SUAREZ Jose Gerardo</b>	(Online)	International Centre for Theory of Quantum Technologies. New Quantum Resources and Thermodynamics Group Advisor Michal Horodecki	Poland
42.	<b>SYED Shahnawaz</b>	(Online)	AC2t	Austria
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48.	<b>YILDIZ Dilek</b>	(Online)	NIST UMD-JQI	United States of America
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