

8th Multifrequency AFM Conference, October 27th-30th, 2020 Online Conference

Tuesday 27th October 2020

Time (CENTRAL EUROPEAN TIME)	Duration (minutes)	Type	
Opening			
14:45-15:00	15	Welcome	The Multifrequency AFM conference series Conference Chair: Ricardo Garcia
Solid-Liquid Interfaces			
Link: to be announced		Moderator: to be announced	
15:00-15:25	25	Invited	Takeshi Fukuma, <i>Kanazawa University (Japan)</i>
15:25-15:50	25	Expert	Kislon Voïtchovsky, <i>Durham University (UK)</i>
15:50-16:15	25	Expert	Ing-Shouh Hwang, <i>Academia Sinica (Taiwan)</i>
16:15-16:35	20	Extended Oral	Roland Bennewitz, <i>INM Saarbrücken (Germany)</i>
Coffee Break: 16:35-16:55			
Solid-Liquid Interfaces			
Link: to be announced		Moderator: to be announced	
16:55-17:20	25	Invited	Laura Fumagalli, <i>University of Manchester (UK)</i>
17:20-17:45	25	Invited	Uri Sivan, <i>Technion (Israel)</i>
17:45-18:00	15	Oral	Manuel R. Uhlig, <i>ICMM, CSIC (Spain)</i>

Wednesday 28th October 2020

Multifrequency Methods

Link: to be announced

Moderator: to be announced

9:00-9:25	25	Invited	Roger Proksch, <i>Asylum Research (USA)</i>
9:25-9:45	20	Extended Oral	Daniel Ebeling, <i>JL University Gießen (Germany)</i>
9:45-10:00	15	Oral	Michael Ruppert, <i>University of Newcastle (Australia)</i>
10:00-10:15	15	Oral	Simone Benaglia, <i>ICMM, CSIC (Spain)</i>
10:15-10:30	15	Oral	Jonas Hafner, <i>TU Wien (Austria)</i>

Coffee Break: 10:30-11:00

Parallel Session: Multifrequency Methods

Link: to be announced

Moderator: to be announced

Link: to be announced

Moderator: to be announced

11:00 - 11:25	25	Expert	Andrew Fleming <i>Univ. of Newcastle (Australia)</i>	11:00 - 11:20	20	Expert consolidator	Miriam Jaafar <i>UAM (Spain)</i>
11:25 - 11:50	25	Expert	David Haviland <i>KTH (Sweden)</i>	11:20 - 11:35	15	Oral	Daniel Platz <i>TU Wien (Austria)</i>
11:50 - 12:05	15	Oral	Eduardo Gil-Santos <i>IMN-CNM, CSIC (Spain)</i>				

15' break

Mechanical and Electrical Properties at the Nanoscale

Link: to be announced

Moderator: to be announced

12:20 - 12:45	25	Expert	Julio Gómez <i>Universidad Autónoma de Madrid (Spain)</i>
12:45 - 13:05	20	Expert consolidator	Pablo Ares <i>University of Manchester (UK)</i>

Lunch break: 13:05-15:00

Novel Methods and Instrumentation

Link: to be announced

Moderator: to be announced

15:00 - 15:25	25	Invited	Olga S. Ovchinnikova <i>Oak Ridge National Laboratory (USA)</i>
15:25 - 15:40	15	Oral	S. O. Reza Moheimani <i>University of Texas (USA)</i>
15:40 - 15:55	15	Oral	Lawrence Robins <i>NIST (USA)</i>

15' break

Application Talks

Link: to be announced

Moderator: to be announced

16:10 -
16:25

15

Oral

Andrea Cerreta
Park Systems Europe (Germany)

16:25 -
16:40

15

Oral

to be announced

16:40 -
16:55

15

Oral

to be announced

Thursday 29th October 2020

High-speed AFM

Link: to be announced

Moderator: to be announced

9:00 - 9:25	25	Invited	Peter Hinterdorfer <i>JKU Linz (Austria)</i>
9:25 - 9:50	25	Expert	Noriyuki Kodera <i>Kanazawa University (Japan)</i>
9:50 - 10:15	25	Expert	Georg Fantner <i>EPFL Lausanne (Switzerland)</i>
10:15 - 10:30	15	Oral	Víctor G. Gisbert, <i>ICMM CSIC (Spain)</i>

Coffee Break: 10:30-11:00

Machine Learning and Big Data

Nanomechanics

Link: to be announced **Moderator:** to be announced

Link: to be announced **Moderator:** to be announced

11:00 - 11:25	25	Expert	Matteo Chiesa <i>Khalifa University (UAE)</i>	11:00 - 11:20	20	Extended Oral	Philippe Leclere <i>Université de Mons (Belgium)</i>
11:25 - 11:40	15	Oral	Jaime Carracedo Cosme, <i>UAM (Spain)</i>	11:20 - 11:35	15	Oral	Amir F. Payam <i>Ulster University (UK)</i>
				11:35 - 11:50	15	Oral	Guillaume Lamour <i>Université Paris-Saclay (France)</i>
				11:50 - 12:05	15	Oral	J.P. Cosas Fernandes <i>LIST (Luxembourg)</i>

10' break

Nanomechanics

Mechanical and Electrical Properties at the Nanoscale

Link: to be announced **Moderator:** to be announced

Link: to be announced **Moderator:** to be announced

12:15 - 12:35	20	Extended Oral	Thilo Glatzel <i>University of Basel (Switzerland)</i>	12:15 - 12:30	15	Oral	Neus Domingo <i>ICN2 Barcelona (Spain)</i>
12:35 - 12:50	15	Oral	Amelie Axt <i>MPI Mainz (Germany)</i>	12:30 - 12:45	15	Oral	Ilka M. Hermes <i>Park Systems Europe (Germany)</i>
12:50 - 13:05	15	Oral	Adrian Sanz-Jiménez <i>IMN CSIC (Spain)</i>	12:45 - 13:00	15	Oral	Sumit Agrawal <i>IIT Bombay (India)</i>

Lunch break: 13:05 – 14:00

High-speed AFM for Life Sciences

Link: to be announced

Moderator: Ricardo Garcia

14:00 - 14:45	45	Plenary	Toshio Ando <i>Kanazawa University (Japan)</i>
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15' break

High-speed AFM			
Link: to be announced		Moderator: to be announced	
15:00 - 15:25	25	Expert	James J. De Yoreo <i>Pacific Northwest National Laboratory (USA)</i>
15:25 - 15:50	25	Expert	Simon Scheuring <i>Cornell University (USA)</i>
15:50 - 16:05	15	Oral	Shuai Zhang <i>University of Washington (USA)</i>
10' break			
Nanomechanics			
Link: to be announced		Moderator: to be announced	
16:15 - 16:40	25	Expert	Hanna Cho <i>Ohio State University (USA)</i>
16:40 - 17:05	25	Expert	Jason Killgore <i>NIST (USA)</i>
17:05 - 17:20	15	Oral	Babak Eslami <i>Widener University (USA)</i>
17:20 - 17:35	15	Oral	Bahram Rajabifar <i>Purdue University (USA)</i>
10' break			
17:45 - 18:30	45	Sponsor event by Oxford Instruments: Webinar on High-speed AFM	

Friday 30th October 2020

Symposium on Soft Matter and Cell Nanomechanics

Parallel Session: Soft matter and Cell Nanomechanics

Link: to be announced		Moderator: to be announced		Link: to be announced		Moderator: to be announced	
9:00 - 9:25	25	Expert	Tilman E. Schäffer <i>University of Tübingen (Germany)</i>	9:00 - 9:15	15	Oral	Heiko Haschke <i>Bruker Nano (Germany)</i>
9:25 - 9:45	20	Extended Oral	Yuri M. Efremov <i>Sechenov University (Russia)</i>	9:15 - 9:30	15	Oral	Carmen Suay-Corredera <i>CNIC (Spain)</i>
				9:30 - 9:45	15	Oral	Thales F. D. Fernandes <i>INSERM, Université Montpellier (France)</i>
9:45 - 10:10	25	Expert	Rubén Pérez <i>UAM (Spain)</i>	9:45 - 10:00	15	Oral	Lorena Redondo-Morata <i>INSERM, Marseille (France)</i>

Coffee Break: 10:00-10:40

Parallel Session: Soft matter and Cell Nanomechanics

Link: to be announced		Moderator: to be announced		Link: to be announced		Moderator: to be announced	
10:40 - 11:05	25	Expert	Felix Rico <i>Aix-Marseille Université, CNRS, INSERM (France)</i>	10:40 - 11:05	25	Expert	Mingdong Dong <i>INC, Aarhus University (Denmark)</i>
11:05 - 11:25	20	Expert Consolidator	Christian Dietz <i>TU Darmstadt (Germany)</i>	11:05 - 11:20	15	Oral	María C. Serrano <i>ICMM, CSIC (Spain)</i>
11:25 - 11:45	20	Extended oral	Francesco S. Ruggeri <i>University of Cambridge (UK)</i>	11:20 - 11:35	15	Oral	Marcos Penedo <i>Kanazawa University (Japan)</i>

Lunch break: 11:45– 13:45

Soft matter and Cell Nanomechanics

Link: to be announced

Moderator: Ricardo Garcia

13:45 - 14:10	25	Invited	Arvind Raman <i>Purdue University (USA)</i>
14:10 - 14:35	25	Expert	Robert Ros <i>Arizona State University (USA)</i>
14:35 - 15:00	25	Expert	Ozgur Sahin <i>Columbia University (USA)</i>
15:00 - 15:15	15	Oral	Clemens M. Franz <i>Kanazawa University (Japan)</i>
15:15 - 15:30	15	Oral	Alexander X. Cartagena-Rivera <i>National Institute of Health (USA)</i>

15' break

Biophysics – One Molecule at a Time

Link: to be announced

Moderator: Ricardo Garcia

15:45 - 16:30	45	Plenary	Carlos J. Bustamante, <i>UC Berkeley (USA)</i>
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End of Conference