Programme Themes

- Structural, electronic, and optical properties of surfaces, interfaces and films.
- Adsorption, reaction, and dynamics of atoms and molecules on thin films and surfaces.
- Growth and characterization of thin films.
- Fabrication and characterization of nanostructured and nanoparticle based materials.
- Contacts and interfaces with nanoscale materials.
- Magnetism of thin films and nanomagnetism; spintronics.
- Molecular self-assembly; supramolecular structures and functionality at surfaces.
- Nanostructured carbon materials.
- New characterization and quantification techniques.
- New theoretical approaches of surfaces, films and nanostructures.
- Surface bio-functionalization.
- Tribology and fracture of surfaces and interfaces.

Plenary Speakers (Preliminary List)

Prof. dr. Joost W.M. Frenken
Kamerlingh Onnes Laboratory, Leiden University, The Netherlands

Prof. Andre Geim
School of Physics, University of Manchester, UK

Prof. Max G Lagally
College of Engineering, University of Wisconsin, USA

Prof. Seizo Morita
Graduate School of Engineering, Osaka University, Japan

Dr. Stuart Parkin
IBM Almaden Research Center, San Jose, California, USA

Prof. John Polanyi
Department of Chemistry, University of Toronto, Canada

Invited Speakers (Preliminary List)

Prof. Walt de Heer
Dr. Karl-Heinz Ernst
Georgia Institute of Technology, Georgia, USA
Laboratory for Nanoscale Materials Science Empa, Dübendorf, Switzerland

Prof. Eric Garfunkel
Prof. Gene Irene
Prof. David Jesson
Prof. Jingfeng Jia
Prof. Peter Kratzer
Prof. Roya Maboudian
Profs. Peter Mc Breen, Neville Richardson, Mario Rocca, Rudolf Tromp

Prof. Jin Jia
Prof. Peter Mc Breen
Prof. Neville Richardson
Prof. Mario Rocca
Dr. Rudolf Tromp
Prof. Hano Weitering
Prof. Lloyd Whitman

Kamerlingh Onnes Laboratory, Leiden University, The Netherlands
School of Physics, University of Manchester, UK
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IBM Almaden Research Center, San Jose, California, USA
Department of Chemistry, University of Toronto, Canada

Georgia Institute of Technology, Georgia, USA
Laboratory for Nanoscale Materials Science Empa, Dübendorf, Switzerland

Department of Chemistry, Rutgers University, Piscataway, New Jersey, USA
Department of Chemistry, University of North Carolina, USA
School of Physics, Monash University, Australia
Department of Physics, Tsinghua University, China
Department of Theoretical Physics, Universität Duisburg-Essen, Germany
Department of Chemical Engineering, University of California, Berkeley, USA
Département de Chimie, Université Laval, Québec, Canada
School of Chemistry, University of St. Andrews, UK
IMEM & Dipartimento di Fisica, University of Genoa, Italy
IBM Research, Yorktown Heights, New York, USA
Department of Physics, University of Tennessee, USA
Nanoscience and Sensor Technology Section, Naval Research Laboratory, Washington, USA