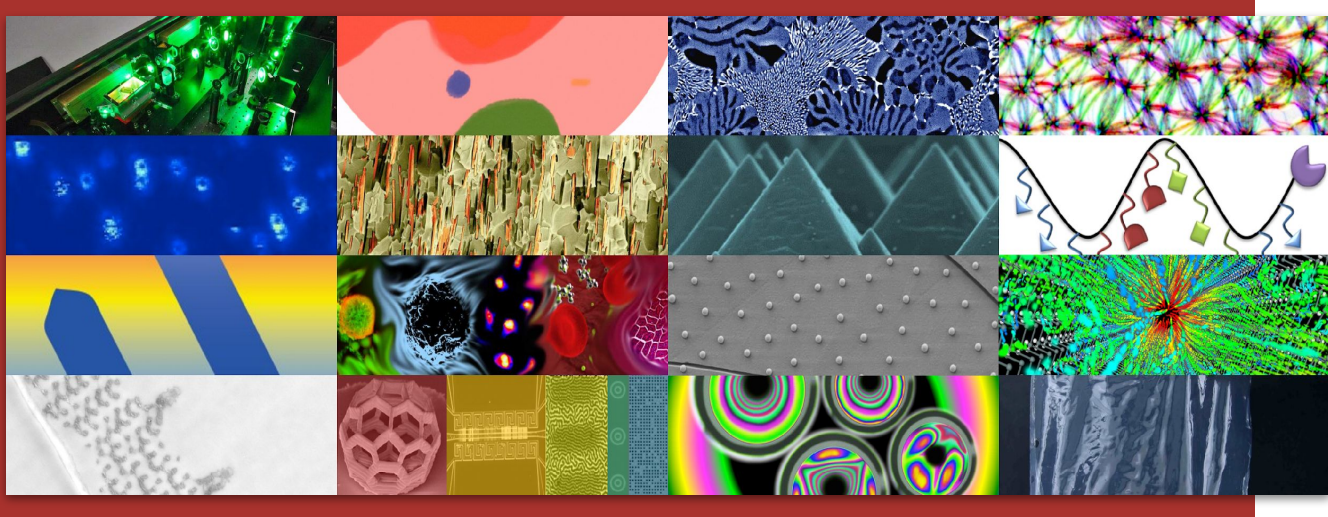
ETH zürich

Department of Materials

Materials Colloquium 2021

Celebrating the 5th Anniversary



qwy.ch/samMC2021

Wednesday, 16:30

← more information and Zoom link

February 3rd

Michael Murrell
Yale University, visiting professor at Soft and Living Materials
The assembly of non-equilibrium biologically-inspired materials

Indranil Basu
Laboratory of Metal Physics and Technology – D-MATL
Nanomechanics in lean Mg alloys: a length scale appraisal

March 10th

Fabio Grillo
Laboratory for Soft Materials and Interfaces – D-MATL
Speeding up chemical reactions with microrobots

Kathrin Dörr
Universität Halle, visiting professor at Multifunctional Ferroic Materials
Straining films - a versatile design tool for ferroic materials

April 7th

Maria Lukatskaya
Electrochemical Energy Systems Laboratory – D-MAVT
Materials design for fast charge storage enabled by the mechanistic insights

Zhaochu Luo
Mesoscopic Systems – D-MATL
Current-driven magnetic domain-wall logic

April 21st

Special Edition with Rainer Rees-Mertins
ETH Library
Open Access - funding opportunities and requirements within and outside ETH Zurich

May 5th

Alexandra Bayles
Soft Materials – D-MATL
Sculpting hydrogels using nD printing

Corsin Battaglia
Materials for Energy Conversion – EMPA Dübendorf
Interface stability in all-solid-state batteries

September 1st

Lorenz Gubler
Electrochemistry Laboratory – PSI
Fuel cells, batteries, electrolyzers, etc.: some insights from a materials science point of view

Nicolas Bain
Soft and Living Materials – D-MATL
Do soft solids have strain-dependent surface tension?

September 15th

Special Edition
tba
tba

October 6th

Richard Whitfield
Polymeric Materials – D-MATL
Tuning polymer dispersity by photoinduced ATRP: monomodal distributions with ppm copper concentration

Mathieu Luisier
Integrated Systems Laboratory – D-ITET
2D materials modeling: electrical, thermal, and optical effects

November 3rd

Manfred Fiebig
Multifunctional Ferroic Materials – D-MATL
Magnetoelectric teleportation

Inge Herrmann
Nanoparticle Systems Engineering Laboratory – D-MAVT
Engineering materials interfaces with the living

December 1st

Lukas Novotny
Photonics Laboratory – D-ITET
Optical nanospectroscopy and control

Fergal Coulter
Complex Materials – D-MATL
Six-axis multi-process additive manufacturing for implantable medical devices

organized by SAM Scientific Staff Associaton at the Department of Materials

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