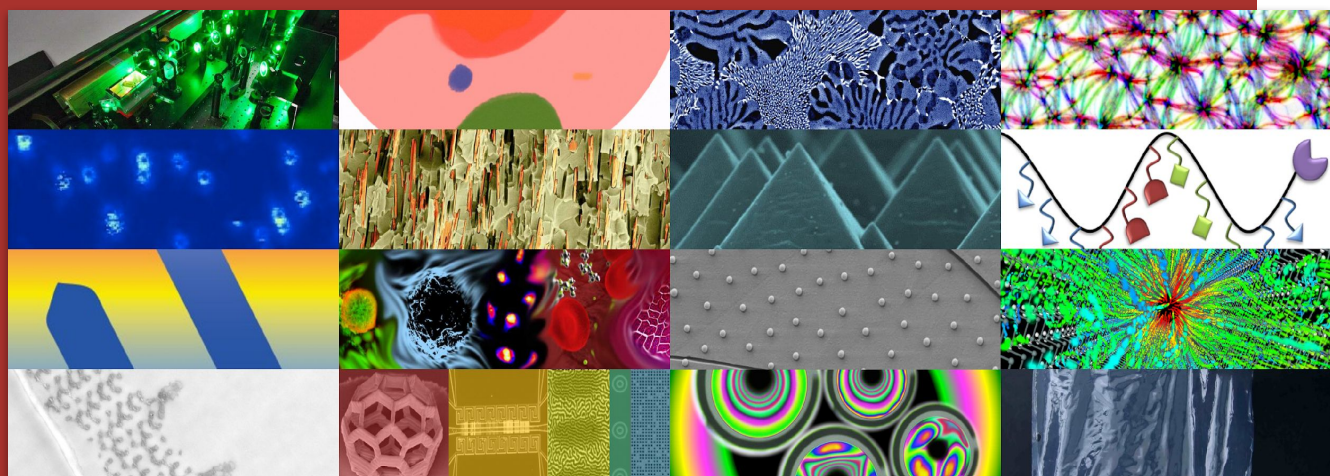


Materials Colloquium 2021

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 with Peter Walde

Laboratory for Multifunctional Materials – D-MATL

From binary lipid-water phase diagrams to lipid nanoparticle-based mRNA COVID-19 vaccines

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

Magnetolectric 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