

Financial Support

Application form (to be addressed to:wimmer@collegium.ethz.ch, cc: eventoffice@collegium.ethz.ch) **please attach a budget to your application**

Applicant (lead): **Cari Dutcher (senior fellow)**
Mail/Tel.: **cdutcher@umn.edu**
Other participants: **Jan Vermant (associate fellow)**

conference/workshop/panel etc.

business trip

exhibition/performance

other (please define e.g. publication, journal, book etc.)

Project

Title:

The materials science and visual arts of bubbles, droplets, membranes and interfaces

Total Cost cashout CHF: **6763**

Project Governance:

Collegium or

in cooperation with (please define)

Project Goal:

(1) connect Collegium fellows to field of materials science, by highlighting broader applications and visually appealing aspects; (2) connect Speakers working on soft interfaces in the Switzerland area

Duration: Start **28. March 2023** **D** End **28. March 2023** **D**

Reason for financial support / Reference to the Fellow Project (2'300 characters max.)

Half day event on Tuesday, March 28th at the Collegium Helveticum here at ETH on soft interfaces and multiphase systems. Our workshop will start around 11:30am with a lunch for fellows, speakers, and attending members from the speakers' groups.

The event will start around 11:30am with a lunch, followed by 6-7 technical talks (~25 mins each) by our invited speakers specializing in soft interfaces or multiphase systems (membranes, droplets, etc.). We have asked our speakers to share about their work, with an emphasis on methods used, visually appealing results, and broader applications of the work.

After the technical talks, Nadya Suvorova and , an Interactive Media Artist will be showcasing their work connecting science and art, transitioning the program from a technical portion to a visual arts component. The program will then conclude with an aperitif and poster gallery exhibit. We encourage speakers (or their group members) to showcase visually appealing images from their work. Costs are requested to support the poster printing and display materials for the event.

For our event, in addition to other speakers and their interested group members specializing in soft interfaces and multiphase systems, the audience will also include Collegium's Senior and Junior Fellows. We are excited for scholars at the Collegium outside of the fields of engineering and materials science to connect with our field of research, and believe that highlighting both the broader applications and visually appealing aspects of the work will help this connection.

The event will end with a speakers' dinner, for the invited speakers to connect, network, and form potential collaborations, particularly around the methods used to probe and characterize chemically complex soft interfaces. Note - funds are requested for speakers and 3 student group members (poster presenters) attending from outside of Zurich, in case that makes it more convenient for them to attend.

Financial Support

Application form (to be addressed to:wimmer@collegium.ethz.ch, cc: eventoffice@collegium.ethz.ch) **please attach a budget to your application**

Applicant (lead): **Walid Sadok (Senior Fellow)**
Mail/Tel.: **wsadok@ethz.ch**
Other participants: **Andrea Carminati (Associate Fellow)**

conference/workshop/panel etc. business trip
 exhibition/performance other (please define e.g. publication, journal, book etc.):

Project

Title: **Rise of Atmospheric Drought**
Total Cost cashout CHF **3,481.50**
Project Governance:
 Collegium or in cooperation with (please define)
Project Goal:
Organize a workshop integrating knowledge across scales and disciplines to boost plant resilience to drought
Duration: Start **15.12.2023** **D** End **15.12.2023** **D**

Reason for financial support / Reference to the Fellow Project (2'300 characters max.)

We are planning on organizing a workshop on Friday, December 15, 2023 in the Meridian hall of the STW Observatory. This workshop will address the need for research integrating across scales and disciplines to boost plant resilience to drought, with a particular focus on rising atmospheric drying. This is a topical and rapidly developing issue at the nexus of crop science, functional ecology, plant ecophysiology, ecohydrology and climate science. These disciplines will be represented by a cohort of 9 internationally-renowned experts from ETH-Z and WSL who will be presenting and discussing their latest research with the audience. We expect this workshop to serve as a platform for robust, insightful, open and forward-looking discussions to support a vision and a research strategy that takes advantage of the expertise available to identify solutions to mitigate drought effects on plants.

The list of speakers, all of whom having formally accepted our invitation, is as follows: Pr. Andreas Rigling (ETH-Z), Pr. Nina Buchmann (ETH-Z), Dr. Diana Santelia (ETH-Z), Pr. Achim Walter (ETH-Z), Dr. Lorenz Walthert (WSL), Dr. Katrin Meusburger (WSL), Pr. Arthur Gässler (ETH-Z & WSL), and the two organizers in Pr. Walid Sadok (U. of Minnesota, visiting professor at ETH-Z, USYS) and Pr. Andrea Carminati (ETH-Z).

The attendees list will also include approx. 25 students of Pr. Carminati's class, who will be presenting posters related to the workshop theme (see program for full details). We also expect that some speakers will bring along group members, which we estimate will bring the total number of attendees to approximately 45.

Because all of the speakers will be local with no travel or lodging arrangements needed, the cost will consist only of catering expenses (coffee break and lunch, approx. 45 people), and apero/drinks (@17-18:00, approx. 30 people). See attached budget template.

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Applicant (lead): Inge Hinterwaldner

Mail/Tel.: inge.hinterwaldner@kit.edu

Other participants: Dragan Espenschied, Nicole Savoy, Sarine Waltenspül, Mario Schulze, Moritz Greiner-Petter, Lozana Ross
Michael Hagner, Anke Te Heesen

conference/workshop/panel etc.

business trip

exhibition/performance

other (please define e.g. publication, journal, book etc.):

Project

Title: Demo & Docu. Condensed Knowledge Formats

Total Cost cashout CHF: 4000 CHF

Project Governance:

Collegium or in cooperation with (please define)

Project Goal:

Showing 3 models (book, 3D-construction, 3D-game-projection), and a terminal with online access (for 3 online artworks)

Duration: Start 15.2.2024 End 29.2.2024

Reason for financial support / Reference to the Fellow Project (2'300 characters max.)

Feb 20, 2024, 7 pm, keynote by Dragan Espenschied on strategies of how to save digital cultural heritage and what role scholars from the humanities can play, followed by a dinner also with workshop participants

Feb 21, 2024, 2 pm, workshop "Demo and Docu: Condensed Knowledge Formats" with Dragan Espenschied, Nicole Savoy, Sarine Waltenspül, Mario Schulze, Moritz Greiner-Petter, Lozana Rossanova, Michael Hagner, Anke Te Heesen. The participants and the organiser will present a total of six 15-mins input statements about established and new formats of how to condense knowledge and possibly find formats that are predestined also to shape what databases of the future host. The workshop deals with epistemic questions and the potential to integrate media-other-than-text alone.

Feb 15-29, 2024, exhibition (silent opening) "Demo and Docu"

It revolves around three different types of 'models' that have emerged in my research groups "Browser Art" and "Coded Secrets" (at KIT, Karlsruhe) and that claim methodologically new territory: the book "Navigation" (2022), an interactive 3D-walk-through article "In Depth: Roaming around the conceptual space of JODI's %WRONG Browser" (in progress, 2024), and a built multimodal stratigraphic object "Second Order Visitor's Guide to London" (in progress, 2024). Each of these projects focuses on a single coded, networked work of art. They mark steps in the evolution of our methods and insights. In addition to these 'models', also the 3 online artworks the models tackle with are presented in a separate computer terminal on a table with chair, mouse and keyboard.

Financial Support

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Applicant (lead): **Ulrike Klinger, Senior Fellow**

Mail/Tel.:

Other participants: **Maneesha Decka, Senior Fellow**

conference/workshop/panel etc.

business trip

exhibition/performance

other (please define e.g. publication, journal, book etc.):

Collegium Fellow Lecture

Project

Title: **Generative AI, Social Media, and the Super-Election Year of 2024**

Total Cost cashout CHF: **600 CHF**

Project Governance:

Collegium or in cooperation with (please define)

Project Goal:

The lecture will discuss key insights from media effects studies on the impact of election campaigns on voting decisions, providing a deeper understanding of the evolving field of digital political communication.

Duration: Start **10.6.24** **D** End **10.6.24** **D**

Reason for financial support / Reference to the Fellow Project (2'300 characters max.)

Program:

The format we have planned with the respondent (Maneesha Decka) is that I will give a short input lecture (50-60 minutes aprox.) and then we will have the official response from Maneesha Decka, followed by Q&A with the audience.

17:00 Greeting by the director of the Collegium

17:15 Input lecture by me with some compelling examples of how artificially created contentse being used in election campaigns

18:10-18:30 response by Maneesha Decka

18:30-18:50 open up the discussion to the public (Q&A).

followed by a small Apéro/Reception (inhouse) to continue the discussion informally.

The funds from the Collegium will be used to cover the costs of the small reception. There is no need for transport and accommodation

expected participants: 20-25 people