



NETWORK
**GENDER
& STEM**
educational and
occupational pathways
and participation

Second call for papers

Conference 2022: Sticking with STEM: Who comes, who stays, who goes, and why?

Thu, July 21 – Sat, July 23, 2022: Universität der Bundeswehr München

<http://www.genderandstem2022.org/>

The 2022 Network conference will bring together researchers, educators, policy makers, business and industry representatives, and the public to interrogate personal and contextual influences towards, or away from, diverse STEM pathways across stages and settings. The specific theme of *Sticking with STEM: Who comes, who stays, who goes, and why?* points to individual and organizational factors as well as their interaction in the career development process of the STEM workforce. Both perspectives—that of the individual with a basic interest in STEM and that of organizations such as schools and companies that are the nourishing ground for STEM motivations—contribute to the individual's career development. What characterizes individuals coming into STEM, who persists and who leaves STEM, and which organizational aspects contribute? How can diversity at the workplace motivate pursuit and persistence in a STEM career?

Themes will include

- individual, family, teacher, and peer processes which impact STEM engagement and participation;
- key factors and good practices which promote STEM engagement and learning within schools, universities, and workplaces;
- STEM initiatives, schemes, networks and organizations;
- fostering interest and motivation in STEM subjects & preparing workers for the future;
- organizational structures facilitating diversity;
- best practices to provide a nourishing ground for diversity in organizations;
- the role of higher education institutes, government, industry, public policy and career development policies in enhancing women's and men's participation in STEM research, commercialization and public impact.



Keynotes

- Professor Jacquelynne S. Eccles, University of California, Irvine, USA
- Professor Gail Jones, NC State University, USA
- Professor Ursula Kessels, Freie Universität Berlin, Germany
- Professor Ingrid Schoon, University College London, UK

Scheduling

- **14.01.2022 Submission deadline**
- 31.03.2022 Notifications of acceptance
- 15.04.2022 Early bird registration ends
- 15.06.2022 Registration of all presenters necessary
- 20.07.2022 Superstars of STEM evening event
- **21.-23.7.2022 Conference**

Conference Committee

Conference Chair

Bernhard Ertl (Universität der Bundeswehr München, Germany)

Scientific Committee

Josip Burusic (Institute of Social Sciences Ivo Pilar, Croatia),
Rebecca Lazarides (University of Potsdam, Germany),
Silke Luttenberger (Pädagogische Hochschule Steiermark, Austria),
Manuela Paechter (Universität Graz, Austria),
Birgit Spinath (Universität Heidelberg, Germany),
Penelope Watson (University of Auckland, New Zealand),
Helen Watt (The University of Sydney, Australia),
Lysann Zander (Leibnitz Universität Hannover, Germany),
in collaboration with VHTO, The Netherlands





Session formats and Call for Proposals

Please submit your proposals via Conftool:

<https://www.conftool.net/genderandstem2022/index.php?page=index>

Estimated notification of acceptance: March, 31st, 2022.

We intend to have the conference as an in-person convention to support interaction and network building. Based on the experiences of the last two summers this should work pretty well. We are, however, aware that some countries still may have travel restrictions next summer. If this is foreseeable or uncertain at the time of paper acceptance, we would aim at adding a hybrid track to the conference program. In case you expect travel restrictions at conference time, please add this as remark while registering with Conftool.

If you have any questions, email genderandstem@unibw.de

Deadline: Friday, January 14th, 2022.

Symposium Presentations

A symposium provides the opportunity to examine specific research issues, problems, or topics from a variety of perspectives. Symposia may present alternative solutions, interpretations, or contrasting points of view on a specified subject or in relation to a common theme. Symposia may also use a panel discussion format targeted at a clearly delineated research issue or idea. Symposia will be scheduled for up to 90 mins (e.g., 5 papers *OR* 4 papers and 1 discussant). Symposium proposals are encouraged to nominate a discussant and *must nominate a chairperson*. The organizer is responsible for arranging prior acceptance of all parties and planning the session to allow time for robust discussion and debate.

An overview of the symposium session must be provided in an abstract of maximum 150 words, to be written by the symposium organizer, addressing:

1. Objectives of the session
2. Overview of the presentation
3. Scholarly or scientific significance
4. Structure of the session

Following the 150 word overview statement, each presenter in the symposium must provide an abstract of up to 400 words as part of the symposium proposal.

Individual Paper Presentations

An abstract for an individual paper presentation may not exceed 400 words.

In paper sessions, authors present abbreviated versions of their papers. Individual presentations with similar topics will be grouped together on the basis of the nominated keywords. The conference organizing team will appoint a chair from among the presenters, prior to the conference, who will be responsible for coordinating the presenters and leading discussion as well as ensuring that the session stays on schedule. Presenters are encouraged to



allow time for rigorous discussion and the exchange of ideas as they prepare their presentations.

Poster Presentations

An abstract for a poster presentation may not exceed 400 words. Poster presentations combine graphic display of materials with the opportunity for individualized, informal discussion of the research. The poster size is A0 (height: 120 cm, width 90 cm). The poster format is portrait/vertical position. Poster presenters will have the opportunity to introduce their poster during the times allocated to Poster Sessions. There are some useful websites with advice about creating effective poster presentations, including (but not limited to):

<https://projects.ncsu.edu/project/posters/#Note0>

Student Poster Award: To acknowledge the work of junior researchers, a poster prize will be awarded to the best student poster, selected by the committee based on relevance, appearance and quality of content (clarity, design, methods, conclusions supported by results). Eligible applicants are students who are first (or sole) authors of poster presentations.

Workshops

A workshop provides an opportunity to exchange information or work on a common problem, project, or shared interest in order to involve and directly inform researchers, teachers, educators, and vocational practitioners. A 400-word summary of the workshop session should be provided by the organizer, addressing:

1. Objectives of the session
2. Scholarly or scientific significance
3. Practical implications
4. Structure of the session, for example:
 - a) Who should participate in the workshop?
 - b) Will there be presentations in the workshop and if yes, how many?
 - c) What kind of interactions/involvement will be provided to the participants?

Conference publications

After the conference, we aim at editing special issues in two peer-reviewed international journals. Both will be regular journal publications in the context of the respective special issue and undergo a regular peer-review process of the submitted paper. The full paper submission for both is foreseen for around March 2023. More information on that will follow in June, 2022.



Conference Registration

All presenting authors of accepted papers and all participants in accepted sessions (presenting authors, chairs, and discussants) are asked to register before the registration deadline of June 15, 2022. Presenting authors are expected to attend the conference and to be present at the scheduled sessions.

To promote broad participation in the conference, each delegate will be limited to two presenting roles. You may be first author/presenting author on more than two submissions, but you will have to withdraw presentations if two or more are accepted.

Please register through Conftool, by selecting your correct option below.

<https://www.conftool.net/genderandstem2022/index.php?page=index>

Registration will open in January 2022. All presenters should be registered by June, 15th 2022.

Conference Fees

Registration fees include

Attendance to the conference; Program, book of abstracts, and proceedings; lunches, coffee and tea breaks.

Registration Types

Regular (from April 16 th)	230 €
Regular (until April 15 th)	200 € (Early bird)
Student (from April 16 th)	170 €
Student (until April 15 th)	140 € (Early bird)

Student rates refer to full-time students with student cards or max. 50% positions.



Venue

The conference will be held at the Universität der Bundeswehr München, which is located in Neubiberg, a small town located in the greater Munich area, directly at the city-limits.

We are based in a beautiful landscape south of Munich and from upper floors of the university buildings; you can see the Alps nearby. Signs of history are characteristic for the territory, e.g. an old chapel or a former airport with a huge runway, which serves with the surrounding nature as a recreational area for the whole public. The Bavarian alpine upland invites you with its famous castles embedded in a gentle landscape and gorgeous churches from the baroque and rococo era. Simultaneously, Munich is the technological capital of Germany hosting many high-tech companies and, with the Deutsche Museum, the biggest science and technology museum of the world.

The basic task of the Universität der Bundeswehr München, which was founded in the year 1973, is to provide officers and officer candidates with a solid university education. The number of students has increased continuously. Currently, about 3,000 military and civilian students are enrolled. The students are awarded bachelor's and master's degrees equivalent to those awarded by other German universities. Research and academic teaching at the Universität der Bundeswehr München can be conducted in scientific independence, and the excellent scientific facilities allow high-level research that is competitive on an international scale.

Venue address

Universität der Bundeswehr München

Werner-Heisenberg-Weg 39

85577 Neubiberg

Germany

<https://www.unibw.de/home-en/footer/kontakt>