

Call for Participation

Arab-German Online Summer School

'Materials for Energy and Quantum Technology'

organised by
the Arab-German Young Academy of Sciences and Humanities (AGYA)

16 – 21 October 2021

The planned summer school is an educational program that will focus on theoretical and experimental research on quantum materials. The event will connect talented students from Arab countries and Germany with international experts on quantum technology research. It offers excellent training and networking opportunity in times when laboratories are closed and physical meetings are limited due to the global COVID-19 pandemic situation.

High-ranking international speakers and trainers, among them AGYA members, alumni, and alumnae will train the participants in the highly innovative field *materials for efficient and sustainable energy applications*. The AGYA summer school aims to establish an interdisciplinary network of excellent young researchers and eminent experts in the field of new materials and energy technology. It is open for Arab and German graduate students from various disciplines in technical sciences and natural science with a particular research interest in new materials used in energy technologies.

The summer school will provide the participants with the following cutting-edge theoretical and methodological knowledge on research of innovative materials, and also address topics of outreach and science communication:

- Synthesis and characterization of different types of materials,
- Materials development for energy systems,
- Explanation of working principles of various energy-based materials for future applications,
- Design of energy materials from a theoretical point of view,
- Outreach and science communication in the field of new materials: working outside the lab

Important Dates

15 September 2021: Submission deadline

28 September 2021: Notification of accepted participants

16 – 21 October 2021: Online Summer School

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Eligibility

Eligible for participation are graduate students:

- with a background in the natural sciences and technical sciences.
- graduated between 2018 to 2021, Master level or early stage of PhD studies.
- graduated from Arab or German universities or research institutions.
- with a very good command of English.
- conducting a research project related to materials and energy technologies.

Application Documents (summarized for submission in ONE single pdf file)

- Curriculum vitae (CV) of maximum 3 pages
- Title and abstract (max 700 words) for an oral presentation
- Title of the poster
- Motivation letter (max. one page) including a brief description of a research project
- Copy of Bachelor/Masters certificates.

Interested participants are invited to send their application in English and as one pdf file to the workshop organizers at agyasummerschool@gmail.com by **15 September 2021.**

All applications will be reviewed by a scientific committee. The accepted candidates will be informed by 28 September 2021. The conference will start on Saturday, 16 October 2021, at 9:00 a.m. CET, and end on Thursday, 21 October 2021, at 18:30 p.m. CET. An active participation and presence on all days are required.

Workshop Organizers

Prof. Dr. Mahmoud Abdel-Hafiez

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Prof. Dr. Mohammed Alkatan

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About the Arab-German Young Academy of Sciences and Humanities (AGYA)

The Arab-German Young Academy of Sciences and Humanities (AGYA) is based at the Berlin-Brandenburg Academy of Sciences and Humanities (BBAW) in Germany and at the Academy of Scientific Research and Technology (ASRT) in Egypt. It was established in 2013 as the first bilateral young academy worldwide. AGYA promotes research cooperation among outstanding early-career researchers from all disciplines who are affiliated with a research institution in Germany or any Arab country. The academy supports the innovative projects and collaborative initiatives of its members in various fields of research as well as in science policy and science communication. Currently, more than 60 members – in equal numbers Arab and German scholars – realise joint projects and initiatives. AGYA is funded by the German Federal Ministry of Education and Research (BMBF) and various Arab cooperation partners.

More information: agya.info

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