

## Solarbetriebene Chemie 2019/2020: Internationale Ausschreibung zu Anwendungen in der Chemie und Verfahrenstechnik

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Stichtag: 13.02.19 | Programmausschreibungen

Solarbetriebene Chemie ist ein von der Deutschen Forschungsgemeinschaft (DFG) initiiertes Netzwerk mit Forschungsförderungsagenturen aus Finnland, Frankreich, Deutschland, Polen und der Schweiz. Gegenstand ist die Grundlagenforschung zur photochemischen Umwandlung von kleinen, reichlich vorhandenen Molekülen wie Kohlendioxid, Wasser oder Stickstoff in wertvollere, lagerfähige Chemikalien mittels Sonnenstrahlung.

## Solar-Driven Chemistry 2019/2020: International call for applications in chemistry and process engineering

Solar-driven chemistry is a network initiated by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) with an aim to conduct a pilot international call for proposals in the field of solar-driven chemistry. The initiative involves research funding agencies from Finland, France, Germany, Poland and Switzerland.

Subject of this call for proposals is fundamental research in all sub-areas relevant to the photochemical transformation of small, abundant molecules, such as carbon dioxide, water or nitrogen, into more valuable, storable chemicals by means of solar radiation. Focus of the proposals should be on the photochemical processes (reactions) and on solving fundamental problems. Typical (but not exclusive) examples include preparative, physicochemical, analytical and theoretical work (always related to the general call topic) on:

- research on light-converting/harvesting, catalytic, electrode, membrane, etc. materials
- materials issues (e.g. photochemical stability of relevant materials), as long as they are used for the photochemical conversion of small molecules
- investigating mechanisms of catalysis and light harvesting, if focus is on photochemical conversion of small molecules
- heterogeneous photoelectrochemistry/photocatalysis
- photocatalytic water splitting
- photochemical or photoelectrochemical CO<sub>2</sub> reduction
- development of new photoactive systems if related to the general call topic
- reaction engineering
- molecular model systems capable of direct conversion, e.g. for mechanistic studies

Chemists and engineers who are eligible to apply for financial support from any of the participating funding organisations are invited to apply jointly within the subject of this call. Joint proposals can be submitted by at least two and up to four applicants located in at least two and up to four different countries.

There will be a two-stage procedure involving pre-proposals and full proposals. The DFG acts as Call Secretariat. All pre-proposals must be submitted no later than Wednesday, 13 February 2019. Please note that all applicants need to be registered in the "elan" system. The confirmation of the registration takes about three working days; please register on Friday, 8 February 2019 the latest! Successful applicants from the pre-proposal stage will be invited approximately mid-June 2019 to submit their full proposals no later than 31 July 2019.

Quelle: Deutsche Forschungsgemeinschaft DFG (Ausschreibungen mit internationalem Bezug)

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Länder / Organisationen: Finnland, Frankreich, Polen, Schweiz

Themen: Förderung, Energie, Physik. u. chem. Techn., Grundlagenforschung

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## Weitere Informationen

