

## Gemeinsame Ausschreibung von EUREKA und Photonics21 Mirror Group: Forschungs-, Entwicklungs- und Innovationsprojekte zum Thema "Photonics for advanced manufacturing"

<https://www.eureka.dlr.de/de/164.php>

Stichtag: 25.07.2019 | Programmausschreibungen

EUREKA veröffentlicht erstmalig gemeinsam mit der Photonics21 Mirror Group eine Ausschreibung für Forschungs-, Entwicklungs- und Innovationsprojekte zum Thema "Photonics for advanced manufacturing". Die Ausschreibung wird von Deutschland, Frankreich, Israel, Österreich, Polen, der Schweiz und Großbritannien unterstützt.

The participating funding bodies from Austria, France, Germany, Israel, Poland, Switzerland and the United Kingdom intend to fund joint research and development in the area of photonics. Applicants are expected to undertake research aiming at market-able products, services or technologies with high market potential in the participating countries and/or Europe. The call will be administered under the regulations of the intergovernmental EUREKA network.

This initiative continues the cooperation within the Photonics21 Mirror Group comprising research funders in the field of photonics in Europe (including associated countries) who jointly implemented a number of transnational calls under the ERA-Net / Cofund scheme.

## Scope

Interested parties are invited to submit proposals for research, development or innovation projects (R&D&I projects) addressing photonics for advanced manufacturing. Advanced (industrial) manufacturing is commonly defined as the use and/or integration of innovative technologies – here: photonics – in order to improve both products and processes. Proposals for R&D&I projects sought to be funded under this call should therefore

- address at least one of the technologies and one of the industries mentioned below;
- focus on photonic technologies and their integration in specific manufacturing processes and/or products;
- demonstrate the potential to significantly improve the related processes and/or products.

Photonic technologies to be investigated particularly include (but are not limited to):

Laser machining, additive manufacturing, selective laser sintering, photonic curing, optical process control / process analytical technology (PAT), 3D optical sensing and imaging incl. spectral and hyperspectral imaging, millimeter wave imaging and lidar, lithography (photo-, stereo-, laser-based).

Industry sectors addressed particularly include (but are not limited to):

Electronic and computer components, electro-mechanical engineering, transportation and automotive manufacturing including for sport competition, aviation/aerospace, material, chemical and pharma-ceutical industry, food control industries, safety and quality engineering and manufacturing technologies.

The participating funding bodies consider that proposals resulting in total implementation costs of between EUR 0.75 and 2 million would allow this area to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requiring higher or lower amounts.

Consortia composed of partners from the participating countries and regions are invited to present joint proposals for R&D&I projects until 25 July 2019.

Redaktion: 09.04.2019 von Tim Mörsch, VDI Technologiezentrum GmbH

Länder / Organisationen: Israel, Frankreich, Österreich, Polen, Schweiz, Vereinigtes Königreich (Großbritannien), EU, EUREKA

Themen: Engineering und Produktion, Förderung, Information u. Kommunikation, Innovation, Physik. u. chem. Techn.

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## Weitere Informationen

