

EURIZON FELLOWSHIP PROGRAMME
“Remote Research Grants”

Notice Board announcement template

Valid applications need to be submitted through the website: <https://indico.desy.de/event/38700/> by the Principal Investigator of the applicant Ukrainian team before May 8th 2023 at 12:00 Pm (noon) CEST time. Before applying please read carefully the Terms of Reference (ToR).

I am/We are:

We are a team from the Taras Shevchenko National University of Kiev (Ukraine). Our scientific interests are focused on the development, studying and application of measurement systems based on optical interferometric principles. In particular, such systems include laser Doppler vibrometry, anemometry, remote acoustic sensors (meters), remote acoustic sensors, system for measurement distance and nano-displacement.

We propose and promote the promising principle of three-wave (multi-wave) interference (TWI, MWI) for a critical increase in the sensitivity of heterodyne interferometric systems operating under external harmful influences. We are exploring the possibility of applying TWI methods to the above mentioned measurement systems and sensors. Our offer also includes noise-immune (fiber) sensors for precise measurements of the refractive index and/or thickness of thin layers and films.

I am/We are looking for:

We are looking for a European partner (partners) who will develop a laser interferometric system, and, more generally, optical phase difference measurement systems that operate under the harmful influence of external media on probing optical channel. If someone is interested in applying the TWI principle to improve the noise immunity of optical phase measurement, we are pleased to invite you to cooperate within the framework of the EURIZON fellowship program “Remote Research Grants”.

Contact details:

E-mail: yarovoi@univ.kiev.ua

Contacting person: Leonid Yarovoi

Telephone (optional):

I am aware that this form and the information it contains (including personal data) will be uploaded on the indico page: <https://indico.desy.de/event/38700/> and thus be visible for public consultation.

Please send this form to in order to be published on the Fellowship indico page.