

LED Society

STEERING COMMITTEE ELECTION

Candidate application form

Title: Professor

Name: Grzegorz

Surname: Adamiec

Affiliation: Silesian University of Technology, Institute of Physics -
Centre for Science and Education, Division of Geochronology and
Environmental Isotopes



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Select the position you are applying for:

- President**
- Young researcher** (PhD degree awarded on [Click or tap to enter a date.](#))
- Ordinary member**

Biography:

I have been working on luminescence for nearly 30 years. Currently, I serve as an Associate Professor at the Division of Geochronology and Environmental Isotopes, Institute of Physics, at the Silesian University of Technology in Gliwice, Poland. I teach physics, introduction to Python and Introduction to machine learning and artificial intelligence. In addition, I am a stakeholder at μ Dose Ltd.

My primary areas of research interest are the luminescence of quartz, measurement methodology, application of Optically Stimulated Luminescence (OSL) to the dating of geological sediments, dose rate determinations, optimisation problems.

In 1994, I received my MSc in Technical Physics from the Silesian University of Technology where I dated Neolithic Pottery from an archaeological site using TL. In 2000, I earned a Doctor of Philosophy degree from the University of Oxford, UK, for my thesis "Aspects of Pre-Dose and

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Other Luminescence Phenomena in Quartz Absorbed Dose Estimation." In 2015, I received my DSc degree from the Nicolaus Copernicus University in Toruń, Poland.

I have been an editor of the journal *Geochronometria* since 2005 and have also served as a guest editor for *Radiation Measurements* for the 13th, 15th, and 16th LED. Additionally, I have been a member of the editorial board of *Radiation Measurements* since 2015.

For more details on my biography see <http://orcid.org/0000-0002-5834-7854>

Motivation: *(Please describe your vision for the LED Society, the contribution you would like to make, etc.)*

Establishing the International Society for LED is a crucial and long-overdue step in the field of trapped charge dating methods. Given the discussions surrounding the creation of the society and my personal interests, I would like to focus on the following areas:

- 1) Establishing wider interlaboratory comparisons of equivalent doses and annual doses.
- 2) Supporting young researchers.
- 3) Supporting laboratories, particularly newly established ones, in implementing best practices.
- 4) Developing publishing guidelines that trapped charge dates should adhere to in order to ensure high quality of published dates.

I envision the role of the steering committee to be that of coordinating efforts in these areas, undertaken by work groups created by volunteers from the community. The outcomes of these efforts could include a consensus-based knowledge base of best practices, resources supporting calibration procedures for instruments used for equivalent dose and annual dose estimations, and guidelines for ensuring the quality of published dates.