

Prof. Dr. Kazuo A. Tanaka

PERSONAL INFORMATION

Work Address	Extreme Light Infrastructure - Nuclear Physics (ELI-NP) 30 Reactorului Street, 077125 Măgurele, Ilfov, Romania
Email / Web	kazuo.tanaka@eli-np.ro www.eli-np.ro
Nationality	Japanese

WORK EXPERIENCE

2022 – Present	Scientific Director Extreme Light Infrastructure - Nuclear Physics (ELI-NP), Măgurele, Romania • Managing international user programs and research infrastructure. • Coordinating scientific strategies for high-power laser facilities.
2022 – Present	Specially Appointed Professor Osaka University, Institute of Laser Engineering, Suita, Japan • Strategic advisory and leading specialized research initiatives in high-energy plasma interactions.
2016 – 2022	Professor / Senior Scientific Researcher ELI-NP and Technical University Darmstadt collaborations • Advanced nuclear photonics engineering and high-intensity laser operations.
1985 – 2016	Professor / Faculty Member Osaka University, Graduate School of Engineering / ILE, Japan • Dedicated tenure focused on plasma diagnostics, ultrafast laser-matter physics, and academic instruction.
1982 – 1985	Research Associate Laboratory for Laser Energetics (LLE), University of Rochester, USA • Early career milestones in high-energy density physics experiments.

EDUCATION AND TRAINING

1982	PhD in Engineering / Physics Osaka University, Japan • Core focus on plasma diagnostics, non-linear optics, and laser engineering physics.
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PERSONAL SKILLS

Mother tongue	Japanese
Other languages	English (Proficient / C2 equivalent)
Digital Skills	Advanced Data Analysis Laser Diagnostic Modelling Optical Infrastructure Management

Core Expertise

- High-power femtosecond lasers and nuclear photonics
- Laser-driven particle acceleration & plasma diagnostics
- Management of global high-tech research centers

ADDITIONAL INFORMATION

Honours & Awards

MRE Best Scientific Article Award (2021)

Awarded by *Matter and Radiation at Extremes* for exceptional leadership and contributions to technical framework development for high-power laser layouts.

Publications

Over 1,700 registered citation footprints spanning high-impact optics, nuclear engineering, and plasma physics journals.