

Press release

El.En. Group Participates in the Prestigious "Lumière et Laser" Conference with the Presence of Distinguished Nobel Laureates in Physics.

Among other topics, the latest developments in laser therapy and laser urological surgery were discussed, including El.En.'s new MAGNETO™ technology for kidney stone removal.

Saint Martin de Pallières - France - August 5, 2024 - El.En. Group, an international leader in laser systems for medical and industrial applications, listed on the Euronext STAR Milan ("STAR") market, is a key participant at the "Lumière et Laser" conference held at Château de Saint-Martin de Pallières in the Var department of France. The event, organized by Professor Gérard Mourou, features other distinguished Nobel Laureates and world-renowned scientists, making it a unique occasion for the exchange and sharing of cutting-edge knowledge in physics and laser technologies, also serving medicine.



The conference hosts, among others, the following distinguished Nobel Laureates in Physics and some globally renowned scientists:

- Prof. Gérard Mourou, Nobel Laureate in Physics 2018, École Polytechnique and University of Michigan, USA, known for his groundbreaking contributions in optics and lasers.
- Prof. Donna Theo Strickland, Nobel Laureate in Physics 2018, University of Waterloo, Canada, recognized for her pioneering work on ultra-short pulse lasers.
- Prof. Michel Mayor, Nobel Laureate in Physics 2019, University of Geneva, Switzerland, famous for the discovery of the first exoplanet orbiting a sun-like star.

- Prof. Ferenc Krausz, Nobel Laureate in Physics 2023, Max Planck Institute of Quantum Optics, noted for his research in quantum optics.
- Prof. Sir David Payne, Millennium Prize Winner 2008, University of Southampton, recognized for his fundamental contributions in optical fibers.
- Prof. Christos Zerefos, Global Ozone Award Winner and Secretary-General of the Academy of Athens, renowned for his research on ozone and climate change.
- Prof. Toshiki Tajima, inventor of the laser accelerator, University of California.
- Prof. Pisin Chen, expert in Cosmology and Astrophysics, Stanford University and Taiwan.

During the conference, El.En. Group, represented by physicist Marco Tagliaferri and engineer Filippo Fagnani, presented the latest innovations in laser therapy and surgery. Among these was the detailed presentation of the brand-new MAGNETO™ technology used for stone pulverization. MAGNETO™ is a highly advanced methodology for the treatment of kidney stones, allowing for the elimination of fragments destroyed by laser light through the urinary tract. This minimally invasive method avoids traditional surgical interventions, improving patient comfort and recovery. This technique combines the power of the Holmium laser with the high pulverization capacity of the Thulium Fiber Laser (TFL), preventing retropulsion and even attracting the stone towards the optical fiber like a magnet.

El.En. Group's presentations garnered great interest and appreciation from the international scientific community, highlighting the importance of the laser technologies developed by the Italian company in improving the quality of life and the effectiveness of medical procedures. Professor Gérard Mourou commented: "I am pleased that our inventions, which have led some of us to win the Nobel Prize, are the foundation for developments that bring tangible benefits to all humanity. The dialogue between science and industry must remain constant, and our laboratories must absolutely be open to creating synergies with those who very concretely combine technological excellence, innovation, and engineering."

"The participation in this conference represents an important opportunity for the El.En. Group to engage with the world's best scientists and share our research and innovations," said Marco Tagliaferri, head of research and development at El.En. and its subsidiary DEKA.

Engineer Filippo Fagnani, scientific head of the surgical division of Quanta System SpA, also a subsidiary of El.En., added: "We are proud to represent Italy in such a prestigious context and to contribute to the development of laser technologies. The 'Lumière et Laser' conference is a fundamentally important event for scientific and technological progress, where the Italian excellence of the El.En. Group had the opportunity to shine alongside prominent figures in the global scientific community."

For more information and updates on the event, visit the official website of the Municipality of Saint Martin de Pallières: <http://www.mairie-stmartindepallieres.fr>



El.En., an Italian company, is the parent of a high-tech industrial group operating in the optoelectronics sector. Based on proprietary technology and multidisciplinary know-how, the El.En. Group manufactures laser sources (gas, semiconductor, solid-state and liquid) and innovative laser systems for medical and industrial applications. The El.En. Group is the laser market leader in Italy and among the top operators in Europe. It designs, manufactures and sells worldwide:

- *Medical laser equipment used in dermatology, cosmetics, physiotherapy, dentistry and gynecology;*
- *Industrial laser systems for applications ranging from cutting, marking and welding metals, wood, plastic and glass to decorating leather and textiles and restoring/conserving artwork;*
- *Laser systems for scientific research*

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