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International Symposium on Ultrafast Intense Laser Science 2025 (The 22nd ISUILS)

ISUILS 2025

September 14 -19, 2025

Splendid Hotel La Torre,
Palermo, Sicily, Italy

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K. Yamakawa, F. Kannari, K. Ishikawa, E. Lötstedt

Program

Opening Session at Palazzo Steri, University of Palermo

Welcome speeches Prof. M. Midiri (*Rector, Unipa*)
Prof. L. Fratini (*DI Chair, Unipa*)

Session I ▶▶▶ Attosecond science and its future

D L D. Charalambidis (*Univ. of Crete/ELI-ALPS/FORTH-IESL*)
Honorary Speaker P. Agostini (*The Ohio State University*)
Invited Speakers L. F. DiMauro (*The Ohio State University*), K. Oguri (*NTT*)

Session II ▶▶ Quantum computing for time-dependent processes

D L E. Lötstedt (*RIKEN*)
Invited Speakers T. Sato (*The University of Tokyo*), H. Dreyer (*Quantinuum*)

Session III ▶▶ Relativistic laser plasma interaction and its application

D L Y. Fukuda (*QST*)
Invited Speakers J. Suarez (*INFN*), D. Doria (*ELI-NP*)

Session IV ▶▶ Ultrafast solid state physics

D L P. Martin (*CEA Saclay*)
Invited Speakers R. Géraux (*CEA Saclay*), K. Yabana (*University of Tsukuba*)

Session V ▶▶ Generation of THz pulses and applications

D L K. Tanaka (*RIKEN*)
Invited Speakers F. Rotermund (*KAIST*), P. U. Jepsen (*Technical University of Denmark*)

Session VI ▶▶ Filamentation and its applications

D L W. Liu (*Nankai University*)
Invited Speakers H. Xu (*Jilin University*), J.-P. Wolf (*University of Geneva*)

Session VII ▶▶ Attosecond spectroscopy in solids

D L U. De Giovannini (*University of Palermo*)
Invited Speakers M. Lucchini (*Politecnico di Milano*), M. Schultze (*Graz University of Technology*),
A. Picón (*The Material Science Institute of Madrid*)

Session VIII ▶▶ Artificial intelligence and machine learning for laser fabrication and laser operation

D L P. Vasa (*IIT Bombay*)
Invited Speakers K. Ishikawa (*The University of Tokyo*), A. Döpp (*Ludwig Maximilian University Munich*)

Session IX ▶▶ Free electron laser and applications

D L C. Miron (*CEA Saclay*)
Invited Speakers A. Marinelli (*SLAC*), K. Prince (*Elettra - Sincrotrone Trieste/Charles University, Prague*),
M. Yabashi (*RIKEN Spring-8 Center*)

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