1st Workshop of the X-PIC project

23rd March 2023, Milan

Room Pedeferri (bulding 6) Campus Leonardo – Politecnico di Milano

09:00-09:30	**Welcome & Registration**
09:30-10:00	The X-PIC project: goals and vision (**Salvatore Stagira,** Politecnico di Milano)
10:00-10:30	On chip few-cycle UV pulse generation, applications and outlooks (**Francesca Calegari,** DESY and Hamburg University)
10:30-11:00	Simplyfing the EUV Transient grating trough integrated devices (**Riccardo Mincigrucci,** FERMI)
11:00-11:30	**Coffee break**
11:30-12:00	Phase-matching strategies for XUV generation in hollow waveguides (**Valer Tosa,** INCDTIM)
12:00-12:30	Review about high-power MIR OPCPA systems (**Philipp Merkl,** Class 5 Photonics GmbH)
12:30-13:00	Modeling of femtosecond laser pulse energy deposition for the generation of high-order harmonics in microfluidics devices (**Federico Bariselli,** Aeronautics & Aerospace Department of the von Karman Institute)
13:00-14:30	**Lunch (buffet)**
14:30-15:00	Femtosecond laser micromachining of microfluidic devices for intense laser applications: technological limits and prospects (**Rebeca Martinez Vazquez,** CNR-IFN)
15:00-15:30	At-Resolution, 3D Metrology for the EUV Era (**Andrea Invernizzi,** ASML Research)
15:30-16:00	Soft and Hard-X-ray Reflective Optics at Thales SESO: opportunities for the project X-PIC (**Luca Peverini,** Thales SESO)
16:00-16:30	**Coffee break**
16:30-17:30	Round table and concluding remarks (Chair **Salvatore Stagira**)

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