

CALL FOR PAPERS



18th - 21st September



2023 Fall Meeting

Abstract deadline: June 5th, 2023

18th - 21st September



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**Faculty of Materials
Science and Engineering**

WARSAW UNIVERSITY OF TECHNOLOGY

SCHEDULED SYMPOSIA

INFORMATION AND COMMUNICATION TECHNOLOGIES

- A** Integration of advanced materials on Silicon: from classical to neuromorphic and quantum applications

ENERGY AND ENVIRONMENT

- B** Advanced catalytic materials for (photo)electrochemical energy conversion IV
C Perovskites: from materials science to devices
D Nuclear materials under extreme conditions II
E Ultra wide bandgap semiconductors for energy and electronics (UWBS2E)
F Advanced ceramics for environmental remediation

MANUFACTURING

- G** Ultra-doped semiconductors by non-equilibrium processing for electronic, photonic and spintronic applications
H Ferroelectric HfO₂ and ZrO₂-based thin films
I Synthesis and characterization of functional nanocomposite materials
J Exploring the potential of bidimensional materials for energy and optoelectronics
K Smart materials for nanoelectronics and nanophotonics
L Frontiers in Carbon science and technology
M In-device materials for on-chip and flexible energy storage: technologies, designs and integrations
N Sustainable advanced and multifunctional polymer based materials for sensor and actuators, energy and environmental applications

HEALTH

- O** Progress in fundamental, functional material and health aspects of melanins and related materials
P New directions in 2D and 3D bionanomaterials: immunology, mechanobiology, cancer

FUNDAMENTALS

- Q** Functional materials for energy and health solutions: modeling and characterization
R Neutron and synchrotron x-ray methods and applications in engineering materials and processes
S Metal Halide Perovskites for photonic applications: from fundamentals to devices
T Non-linear and dynamic thermal transport: modeling, thermo-materials, devices and applications
U Defect-induced effects in low-dimensional and novel materials
V Piezoelectric polar oxides
W Spin-dependent phenomena in semiconductors, topological and two-dimensional materials
X Topological textures in antiferroic and ferroic materials
Y Quantum Nanomaterials - NFFA Europe Pilot Symposium

ABSTRACT DEADLINE : JUNE 5th, 2023

in fairness to all potential authors, **late abstracts will not be accepted**



**Warsaw University
of Technology**

