

PFM-2020-SPM



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Joint International Conference

Eurasian Conference "Piezoresponse Force Microscopy and Nanoscale Phenomena in Polar Materials" (PFM)

4th International Conference

"Scanning Probe Microscopy" (SPM)

Ural Federal University, Ekaterinburg, Russia

August 18-21, 2020

Scope: The conference will cover a wide range of topics related to nanotechnologies and functional imaging of nanostructured materials by various modes of Scanning Probe Microscopy.

Topics:

1. Instrumental aspects of PFM, MFM, KPFM, SNOM, ESM, SEM, and related techniques
2. Ferroelectric data storage, polarization lithography and nano-indentation
3. Multiferroic phenomena and magnetoelectric coupling on the nanoscale
4. Ferroelectrics, piezoelectrics, and ionic conductors on the nanoscale
5. Relaxors, disordered ferroelectrics, and mesoscopic effects
6. Ferroelectric photovoltaics and tip-enhanced phenomena
7. Biocompatible and organic materials on the nanoscale
8. 1D and 2D nanostructured materials and devices
9. Theory, modeling, and data processing in SPM
10. Interface and domain engineering
11. SPM in materials science

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Program Committee: Yachin Ivry (Israel), Andrei Kholkin (Portugal), Viktor Mironov (Russia), Patrycja Paruch (Switzerland), Vladimir Shur (Russia)

Secretary: Elena Pelegova, Ural Federal University (Russia)

Official language: English

Venue: Ekaterinburg is one of the largest and most dynamic cities in Russia. It is an administrative center of Sverdlovsk region and the Ural Federal District and an important center for industry, transport, science, and culture. Lying in the middle of the Eurasian continent, where Europe meets Asia, Ekaterinburg is two hours ahead of Moscow and four hours ahead of Greenwich time.

VKS-XXII: Prior to PFM-2020-SPM, the All-Russian Conference on Ferroelectricity (VKS-XXII) will be held in Ural Federal University on August 16-19, 2020. Official language will be Russian. There will be discounts for registration fee for the participants of both conferences.

Conference website: <https://nanocenter.urfu.ru/en/pfm2020spm/>

Important deadlines:

Abstract submission: April 1, 2020
Early-bird registration: June 10, 2020

Contacts:

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