

ANAM2019 International Workshop
Monday, 30 September 2019

- 8:30-11:00 **Registration**
Ani Plaza Hotel
- 9:30-9:45 **Opening Remarks**
- 9:45-10:15 Olivier Thomas, France
The amorphous-crystal transition in GeTe nanostructures: new insights from in situ synchrotron radiation measurements
- 10:15-10:45 Alex Ulyanenko, USA
Non-coplanar High-Resolution X-ray Diffraction to study novel materials
- 10:45-11:00 **Coffee break**
- 11:00-11:30 Dimitri Ivanov, France
Monitoring Crystallization and Melting with Millisecond Time Resolution: In-situ Combination of Micro-Focus X-ray Scattering and Ultra-Fast Scanning Chip Calorimetry
- 11:30-11:50 Arevik Asatryan, Armenia
Fine structure of DMC for helix-coil transition in heterogeneous biopolymers
- 11:50-12:10 Kseniia Grafskaya, Russia
Spongy cubic phases built through self-assembly of wedge-shaped amphiphilic mesogens
- 12:10-12:30 Tigran Ghukasyan, Armenia
The influence of electron-polar optical phonon coupling on the impurity-related optical properties in nanowire under magnetic field
- 12:30-14:30 **Lunch**
- 14:30-15:00 Ali Naji, Iran
Electrostatic stability of virus-like nanoparticles: Roles of metallic core and multivalent solution ions
- 15:00-15:30 Arshak Vartanian, Armenia
Fröhlich polaron formation in graphene on polar substrate
- 15:30-16:00 Harutyun Dashtoyan, Armenia
Memristor phenomena and applications
- 16:00-16:30 **Coffee break**
- 16:30-18:30 Poster session

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Tuesday, 1 October 2019

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- 9:30-10:00 Sergio Moya, Spain
Biological fate of Engineered Nanomaterials: tracing aggregation/degradation and nanomaterial dose in vitro and in vivo
- 10:00-10:30 Ilaria Fratoddi, Italy
Functionalized Noble Metal Nanoparticles: Advanced Materials for Optoelectronics and Nanomedicine Applications
- 10:30-10:45 **Coffee break**
- 10:45-11:15 Sergey Ponomarenko, Russia
Development of novel highly efficient organic semiconductors: from materials to devices and their applications
- 11:15-11:45 Wiesław Stręk, Poland
Laser stimulated white lighting of graphene foam
- 11:45-12:05 Susanna Gevorgyan, Armenia
Investigation of Antibacterial Properties of Green Synthesized Silver Nanoparticles
- 12:05-12:25 Varazdat Stepanyan, Armenia
Short-range disorder and electrostatic interactions in macromolecule
- 12:30-14:30 **Lunch**
- 14:30-15:00 Askold Trul, Russia
Multiparametric toxic gas detection with a single Langmuir-Schaefer monolayer field-effect transistor
- 15:00-15:30 Vardan Apinyan, Poland
Ultraviolet absorption spectrum in the bilayer graphene structure
- 15:30-15:50 Levon Haroutunyan, Armenia
Hard X-Ray Fourier Transform Holography Based on Two-Block Fresnel Zone Plate Interferometer with Common Optical Axis
- 15:50 -16:20 **Coffee break**
- 16:20 -16:50 Evgenii Komov, Russia
Application of nanocalorimetry for analysis of phase behavior of azido-acetylene microparticles
- 16:50 -17:10 Minas Balyan, Armenia
X-ray dynamical diffraction Talbot effect under the condition of two-wave dynamical diffraction in crystals
- 20:00-23:00 **Workshop dinner**

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- 9:30-10:00 Sophio Kobauri, Georgia
Self-assembling Systems Based on Pseudo-Proteins
- 10:00-10:30 Nino Zavrashvili, Georgia
A Library of Cationic Polymers as Gene Transfection Agents
- 10:30-10:45 **Coffee break**
- 10:45-11:15 Pooi See Lee, Singapore
Stretchable and Deformable Materials and Devices for Human Machine Interface
- 11:15-11:35 Lusine Aloyan, Armenia
Influence of cationic porphyrines on DNA damage during electron beam irradiation
- 11:35-11:55 Polina Khaptakhanova, Russia
Boron nanoparticles: production, properties, various applications
- 11:55-12:15 Aram Manaselyan, Armenia
Seeking Maxwell's Demon in a nonreciprocal quantum ring
- 12:30-14:30 **Lunch**
- 14:30-15:30 Round table discussion I
- 15:30-15:45 **Coffee break**
- 15:45-16:15 Round table discussion II
- 16:15-16:45 **Closing Remarks**