1 International Conference on Optoelectronics, Applied Optics and Microelectronics (OAM)



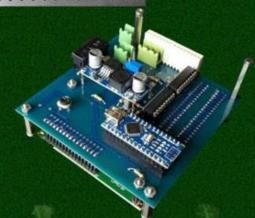
August 17-19, 2019 Namin, Ardabil, Iran University of Mohaghegh Ardabili, Department of Advanced Technologies

Submission Deadline: May, 10, 2019



Topics:

Applied optics
Microscopy techniques
Diffractive optics
Microelectronics
Optoelectronics
Lasers and its applications
Photonics
Semiconductor nanomaterials and devices
Plasmonics and nano-optics



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University of Moharhash Ardabili



Sabalan University of Advanced Technologies (2012)

Welcome to OAM-2019

Welcome to the OAM-2019. We're confident that over the three days you'll get the theoretical grounding, practical knowledge, and personal contacts that will help you build long-term, profitable and sustainable communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Optoelectronics, Applied optics and Microelectronics.

Conference Program

		Friday, August 16, 2019			
08:00 – 20:00 Arr	Registration: Main Campus (Sabalan University College of Namin, Tarbiat Street, Department of Advanced Technologies, University of Mohaghegh Ardabili) 08:00 - 20:00 Arrival and Registration				
00.00 20.00		urday, August 17, 2019			
07:30 – 08:30 Bre	<u> </u>	uruay, Mugust 17, 2017			
07.50 - 00.50 Big	07:30 – 08:30 Breakfast Morning – Plenary Session (Asbaghi's Hall)				
08:30 – 10:00 Ope		ry Session (Asbagin's Haii)			
08:30 - 10:00 Ope	ening Remarks	o Chairman Washan Astina			
10.00 10.20 5.1	Plenary Talks- Chairman: Yashar Azizian				
10.00 10.00	ettin YAKUPHANOĞLU	Recent Challenges in the Development of I			
	nid Reza Mohammadi Khalesifard fee Break	Remote Sensing of Dust Collecting over Ira	aman Piateau		
		Optical Chirality of Self-Organized	Plasmonic Nanostructures in Thin		
11:30 – 12:00 Aras	shmid Nahal	Photosensitive Films	Table 1 (and the detailed in 1 min		
12:00 – 12:30 Fark	ad Azadi Namin	Plasmonic Metasurfaces			
12:30 — 13:00 Şem	5 Semsettin ALTINDAL Electrical and Dielectric Properties of Metal, Insulator, and Semiconductor Structures				
13:10 - 14:30 Lun	13:10 - 14:30 Lunch				
Aftern	Afternoon – Parallel Oral Sessions and Workshop (Asbaghi's Hall)				
	Parallel Oral Sessions		Workshop		
Ses	sion A - Class 2 (Main Building)	Session B - Class 3 (Main Building)	-		
	lession Chairman: <i>S. Golshahi</i>	Session Chairman: F. Abdi			
wit	th ZnO, ZnS and Conventional CdS	Two-Level-Like Behavior of a Three-Level Atom in V Configuration Trapped in an			
14:30 – 14:50	Buffer Layer Mina Mirzaee, Javad Hassanzadeh, Ali	Optical Cavity with Multiphoton Transition			
	Abdolahzadeh Ziabari	Babak Parvin			
Struc	ctural and Optical Properties of Zinc	Studying the Nonlinear Response of Ethylene Oxide Nanoparticles in Combination with the	Tools Made of Light: Optical Metrology,		
14:50 – 15:10	elenide Crystal Modified by Ion-	Ethanol Solvent and the Comparison of their Results by Using the Optical Method, Moiré	Optical Analysis, Optical Manipulation		
	Exchange B. MURADOV, G.M. EYVAZOVA, L.R.	Deflectometry	Ehsan Ahadi-Akhlaghi Mohammad Reza Taheri		
	GAHRAMANLI	Fatemeh Jamal, Fatemeh Ahmadi, Mohammad Khanzadeh	Hadi Borzoyi		
4-40 4-50	trollable Lateral Reflection Shift in a Graphene Coated-Nanocomposite	Decentralized Microelectronics-Industrial Internet Object Technology			
15.10 – 15.50	Maryam Zoghi	Hamed Nasrollahi			
	ermination of Important Parameters	Effect of Shortcut to Adiabatic Passage on the Elimination of the Spontaneous Emission in			
12:30 - 12:20 1	Lidar to Measure the Concentration f Water Vapor in the Atmosphere	the Interaction of a Three-level Atom with			
	Farshid Soleymani, Abbas Bashiri	the Laser Fields Maryam Kiazand, Maghsoud Saadati Niari			
15:50 – 16:10 Cof	fee Break				
	Parallel (Oral Sessions	Workshop		
Ses	sion C - Class 2 (Main Building)	Session D - Class 3 (Main Building)			
Tny	Session Chairman: <i>P. Amiri</i> estigation of Self-healing Property of	Session Chairman: S. Farjami-Shayesteh Electrical Properties of the Ag/n-ZnO/p-Si	Fabrication of Ultrasonic Instruments and		
16:10 - 16:30	Non-diffracting Parabolic Beams Negar Azari, Pari Amiri, Ehsan Ahadi Akhlaghi, Yashar Azizian	Structures Using Current-voltage Measurements §ükrü KARATAŞ	its Applications Reza Afzalzadeh		

	Comparison of Fourier Transform and	The Superposition of Laguerre-Gaussian and	
16:30 – 16:50	Wavelet Transform to Analyze the Diffraction Fringes from the Phase Step	Mirrored Laguerre-Gaussian Beams and Investigation of their Self-reconstruction	
10.00 10.00	Zahra Abbasi, Ehsan Ahadi Akhlaghi, Ahad	Property	
	Saber	Fazel Saadati The Effect of the Electrochemical Etching	
	Investigation of Hemoglobin Alteration	Prosses Rate on Electrical Properties of P-	
16:50 – 17:10	Amount of Red Blood Cell by Hyperspectral Microscopy	silicon Gholamreza Pirgholi-Givi, Javid Farazin, Yashar	
	Mina Molaei, Ahmad Doroudi, Peyman Soltani	Azizian-Kalandaragh, Leonid Anatolievich- Golovan	
	Preparation of Au/Bi2O3-x-PVA/4H-SiC	Goiovan	
	Structures by Using Different x Materials and Investigation of Electrical and		
17:10 – 17:30	Dielectric Properties		
	Yusuf Badali, Yashar Azizian-Kalandaragh, İbrahim Uslu, Şemsettin Altindal		
17:30 – 20:30	Excursion (Fandoghlu Forest/Heyr	ran)	
20:30 – 21:30	Dinner	,	
	Second day,	Sunday August 18, 2019	
07:30 - 08:30	Breakfast	, g ,	
07.50 00.50		ry Session (Asbaghi's Hall)	
00 20 00 10		- Chairman: Arashmid Nahal	
08:30 - 09:10	Faegheh Hajizadeh	Optical Tweezers and its Applications	
09:10 - 09:50	Saifollah Rasouli	Diffraction of Optical Vortices	.11.5
09:50 - 10:30	Seyed Mohammad Rozati	Introduction to Transparent Conducting On	xid Materials (TCO)
10:30 – 11:00	Coffee Break		
11.00 11.10	· · · · · · · · · · · · · · · · · · ·	Chairman: Farhad Azadi Namin	
11:00 – 11:40	Ali Abdolahzadeh	Recent Advances of Plasmonic Solar Cells	
11:40 – 12:20	Rasoul Aalipour	Phase Sensitive Surface Plasmon Resonance Sensor based on Diffraction	
	•		
12:20 – 13:10	Siamak Golshahi	Issues and Challenges Facing Sputtering of	
12:20 - 13:10 13:10 - 14:30	Lunch	Issues and Challenges Facing Sputtering of	ITO Thin Films
12:20 - 13:10 13:10 - 14:30	Lunch		ITO Thin Films
12:20 - 13:10 13:10 - 14:30	Lunch on (14:00-15:50) –Oral Pro	Issues and Challenges Facing Sputtering of	ITO Thin Films
12:20 - 13:10 13:10 - 14:30	Lunch on (14:00-15:50) —Oral Pro Parallel Session E - Class 2 (Main Building)	Issues and Challenges Facing Sputtering of esentations and Workshop (A) Oral Sessions Session F - Class 3 (Main Building)	Asbaghi's Hall)
12:20 - 13:10 13:10 - 14:30	Lunch on (14:00-15:50) —Oral Pr Parallel Session E - Class 2 (Main Building) Session Chairman: Sh. Mirzaee	Issues and Challenges Facing Sputtering of Assertations and Workshop (Assertations)	Asbaghi's Hall)
12:20 – 13:10 13:10 – 14:30 Afterno	Lunch On (14:00-15:50) —Oral Pr Parallel Session E - Class 2 (Main Building) Session Chairman: Sh. Mirzaee The V4AlC3 Max Phase Synthesized Via Mechano-Thermal Process	Issues and Challenges Facing Sputtering of Assertations and Workshop (Assertations and Workshop (Assertations and Sessions Session F - Class 3 (Main Building) Session Chairman: S. Mirershadi Derivation of First Order Properties of Optical	Asbaghi's Hall)
12:20 - 13:10 13:10 - 14:30	Lunch On (14:00-15:50) —Oral Pr Parallel Session E - Class 2 (Main Building) Session Chairman: Sh. Mirzaee The V4AlC3 Max Phase Synthesized Via Mechano-Thermal Process Canan AKSU CANBAY, Ömer GÜLER,	Issues and Challenges Facing Sputtering of Assertations and Workshop (Assertations and Sessions Session F - Class 3 (Main Building) Session Chairman: S. Mirershadi	Asbaghi's Hall)
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19:30 – 21:30

Social Event & Gala Dinner

22:00 –	24:00	Excursion (Sarein city - Spa)			
Third day: Monday 19 August- Conference Day					
07:30 -	08:30	Breakfast			
	Morning -Workshop (Asbaghi's Hall)				
08:00 -	09:00	Taha Falahati, Gh. Pirgholi, A. Jamshidi	Principles and Performance of 3-D Scanners		
09:00 -	10:00	Araz Siabi, Reza Hasanzadeh	Recent Challenges in Fabricating and Characterizing the Optical Properties of Thin Films		
10:00 -	11:00	Peyman Soltani	Hyperspectral Imaging and its Applications		
11:00 -	12:00	Panel Discussion			
12:00 –	13:00	Closing			

Closing Lunch

Poster Session

Secor	nd day: Sunday 18 August 2019	
After	noon- Poster SESSION	
ID	Poster Tittle	Presenter
P01	The Influence of Power Electronic Compensators on Performance of Multi-DG in the Presence of Different Load Models	Masoud Alilou
P02	Graphene Assisted Tunable Semiconductor Laser Based on Vernier Effect	Seyyed Moin Alden Mostaan
P03	Fabrication of Copper Oxide-zinc Oxide Nano-photocatalyst by Electrochemical Oxidation of Brass	Mohammad Nami
P04	Simulation and Investigation of the Optical Properties of CdS/CdTe Solar Cells	Prinaz Khaledi
P05	Absorption Enhancement in Graphene-based Photodetector with Plasmonic Structure	Elham Khosravian
P06	Photocatalytic Activity of NiO Nanoparticles under the Different Wavelengths	Kobra Ahadzadeh-Namin
P07	Optical Characterization of Ni:SnO ₂ Nanostructured Thin Films Using Spectroscopic Ellipsometry Technique: Effects of Annealing Temperature	Sahar Moradi
P08	Synthesis and Characterization of Cu ₂ O/CuO Photocatalyst on Cu Plate	Sara Behjati
P09	Topological Phase in Spin-1/2 Two-leg Ladders	Farzaneh Shafieinezhad
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P25	Investigating the Effect of Photothermal Therapy on the Osteosarcoma Cancerous Cell (MG63) by Laser and Graphene Oxide Nanoparticles	Najmeh Sadat Hosseini Motlagh
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P28	Measurement and Calibration of the Nonlinear Response of a CMOS Detector	Ali Tamimi
P29	Investigation of the Effective Parameters on the Electron Acceleration in a Laser-generated Ion Channel in Plasma	Amaneh Kargarian
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