



CONFERENCE BOOK

30 May-01 June 2024

Adrasan-Antalya
Türkiye

CHAIRMAN OF CONFERENCE

Prof. Dr. Abidin KILIÇ, Eskişehir Technical University

ORGANIZING COMMITTEE

Prof. Dr. Murad Omarov, Vice Rector,
Kharkiv National University of Radio Electronics

Prof. Dr. Zafer Demir, Eskişehir Technical University

Prof. Dr. Abidin Kılıç, Eskişehir Technical University

Technical Committee

Dr. Çiçek Topçu	Nur Uluhan	F. Çisem Alemdar	Yasemin Yağizer
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Scientific Committee

There are 48 scientists from 9 countries in the science committee.

Prof. Dr. Andrii Chukrai (Ukraine)

Prof. Dr. Alfred Antony Christy (Norway)

Prof. Dr. Arturas Mickus (Lithuania)

Dr. Asif Pashayev (Azerbaijan)

Prof. Dr. Cengiz Türe (Turkiye)

Prof. Dr. Dmytro Fedasyuk (Ukraine)

Prof. Dr. Dursun Aydın (Turkiye)

Prof. Dr. Ekrem Aydın (Turkiye)

Prof. Dr. Ekrem Gürel (Turkiye)

Prof. Dr. Feridun Ay (Turkiye)

Prof. Dr. Güneş S. Kürkçüoğlu (Turkiye)

Prof. Dr. Hüseyin Sarı (Turkiye)

Prof. Dr. İdris Akyüz (Turkiye)

Prof. Dr. Igor Nevlidov (Ukraine)

Prof. Dr. Igor Ruzhentsev (Ukraine)

Prof. Dr. İsmail Sökmen (Turkiye)

Prof. Dr. Kadir Aslan (USA)

Prof. Dr. Khanmammadov Agil (Azerbaijan)

Dr. Latifa Agamalieva (Azerbaijan)

Prof. Dr. Marzena S. Mlichalowska (Poland)

Prof. Dr. Mehmet Candan (Turkiye)

Prof. Dr. Meryem Akbelen (Turkiye)

Dr. Ulviyya Yolchuyeva (Azerbaijan)

Prof. Dr. Mustafa Hoştut (Turkiye)

Prof. Dr. Nihal Kus (Turkiye)

Prof. Dr. Oguz Gülseren (Turkiye)

Prof. Dr. Oleg Lazarenko (Ukraine)

Prof. Dr. Oleh Avrunin (Ukraine)

Prof. Dr. Oleksandr Lemeshko (Ukraine)

Prof. Dr. Oleksandr Tsopa (Ukraine)

Dr. Rahul M. Mane (India)

Prof. Dr. Rauf Amirov (Turkiye)

Prof. Dr. Saliha Ilıcan (Turkiye)

Prof. Dr. Sedef Dikmen (Turkiye)

Prof. Dr. Sevil Çetinkaya Gürer (Turkiye)

Prof. Dr. Svetlana Kashuba (Poland)

Prof. Dr. Tayfun Akın (Turkiye)

Prof. Dr. Urfat Nuriyev (Turkiye)

Prof. Dr. Valentin Filatov (Ukraine)

Prof. Dr. Volodymyr Storozhenko (Ukraine)

Prof. Dr. Yevgenii Bodyansky (Ukraine)

Prof. Dr. Yevgen Nelin (Ukraine)

Prof. Dr. Yuri Machekhin (Ukraine)

Prof. Dr. Yüksel Ergün (Turkiye)

Assoc. Prof. Lili Arabuli (Georgia)

Dr. Eldarova Sabina (Azerbaijan)



Official Opening of the ICONAT-2024

30 May 2024 Meeting Salon

Akdeniz University Euro-Mediterranean Youth Education
and Recreation Facility,
Adrasan (Antalya)-Turkey

PROGRAM

Google Meet: <https://calendar.app.google/Q7PdBCcB6YtB2SiXA>

08.30 The Start of Registration Process

10.00 Official Opening of the ICONAT-2024
Welcome by Conference

Prof. Dr. Murad Omarov, Vice-Chairman Organization Committee
Vice-Rector, NURE, (Ukraine)

Prof. Dr. Abidin Kılıç, Eskisehir Technical University, Turkey
Chairman of Organization Committee

10.30 Invited Speaker

Prof. Dr. Ali Demirsoy (Turkiye)

"Çöpler/İliç Altın Madeninin Doğurduğu ve Doğuracağı Sorunlar (Problems Caused and Will Cause by Çöpler/İliç Gold Mine)"

11.15 Invited Speaker

Dr. Maksymova Svitlana (Ukraine)

12.00 Lunch Break

ORAL PRESENTATIONS

30.05.2024 Thursday-14.00

Chairing

Prof. Dr. Nihal Kuş

Meeting Salon

Google Meet: <https://calendar.app.google/Q7PdBCcB6YtB2SiXA>

01 Ahmet Sait Alalı-Turkiye

Optimization of PTB7/Spiro-OMeTAD Thin-Film Photodetectors for Enhanced UV Responsivity

02 Vural Avcı-Turkiye

Mission Execution Capabilities of Artificial Intelligence-Supported Ucavs Examining a Sample Scenerio

03 Rudra Sheth-India

Face Detection Door Lock System

04 Sema Akyil Erenturk-Turkiye

Development of New Lead-Free Radiation Shielding Glass-Ceramics by Bariumoxide Doping in Feldspar Mineral

30.05.2024 Thursday -15.00

Chairing

Prof. Dr. Meryem Akbelen

Meeting Salon-15.00

Google Meet: <https://calendar.app.google/Q7PdBCcB6YtB2SiXA>

05. Anna Fesenko-Ukraine

Steady-State Oscillations of An Elastic Quarter Space

06. Tuğçe Pekdoğan -Turkiye

Assessing Indoor Air Quality: Empirical Measurements in A Design Studio Environment

07. Nkiru E Ekechukwu-Nigeria

A New Method for Sperm Quantification in the African Malaria Mosquito Anopheles Gambiae

08. Andriy Slusar-Ukraine

Innovations in Warehouse Logistics: Analysis And Prospects

30.05.2024 Thursday-16.00

Chairing

Prof. Dr. Abidin Kılıç

Meeting Salon-

Google Meet: <https://calendar.app.google/Q7PdBCcB6YtB2SiXA>

09. Dilek Bayramin-Turkiye

Synthesis and Characterization of Thiazole Derivatives with Bis(2-Methoxyethyl) Moiety

10. Nihal Kuş-Turkey

Quantum Computational Investigation of L-Quebrachitol and D-Pinitol Isomers

11. Lili Arabuli-Georgia

Peripherally Substituted Phthalocyanines and Their Metal Complexes -Synthesis And Physio-Chemical Properties for Photodynamic Therapy of Cancer

12. Afamefuna Moon-Nigeria

A Method of Examining the Sequencing Models of Symmetric Structures

30.05.2024 Thursday -17.00

Chairing

Dr. Mehmet Fidan

Meeting Salon

Google Meet: <https://calendar.app.google/Q7PdBCcB6YtB2SiXA>

13 Mokhtar Djehiche-Algeria

Washing of Contaminated Soil Using Thermal Energy

14 Çağrı Yılmaz-Turkey

Implementation of A Forced Helmholtz-Duffing Oscillator to Monitor Energy Dissipation Process under Van Der Waals Forces

15 Burhan Engin-Turkiye

Study of The Radiation Detection Efficiency and Resolution Properties of A Perovskite CsPbBr₃ Single-Crystal by Means of EGS4

16 Seda Kın Barka-Turkiye

Laser Spectroscopic Investigation of New Energy Levels of Atomic Holmium in the Range from 690 nm to 830 nm

31.05.2024 Friday 09.00

Chairing

Prof. Dr. Sedef Dikmen

Meeting Salon

Google Meet: <https://calendar.app.google/4iEuah8ge64ab7YR6>

09.00 Invited Speaker

Prof. Dr. Yavuz Akbulut (Turkey)

"Limitations of Using Self-Report Measures in Human-Computer Interaction Research"

31.05.2024 Friday 10.00

Chairing

Prof. Dr. Sedef Dikmen

Meeting Salon

Google Meet: <https://calendar.app.google/4iEuah8ge64ab7YR6>

17. Ulvyya Yolchuyeva-Azerbaijan

Study of Biologically Active Hydrocarbons Contained in Naphthalene Oil and Their Application in Medicine

18. Zafer Alpaslan-Turkey

Standard karyotype of Squalius kosswigi (Karaman, 1972)

19. Reyhan Zoroğlu-Turkey

Effect On The Histological Parameters of The Pelargonium Sidoides Root Extract Eps 7630 in The Methotrexate-Induced Mucositis

20. Mykola STARODUBTSEV-Ukraine

Control of Multinomial Production Technology Processes

31.05.2024 Friday 11.00

Chairing

Prof. Dr. İlhan Usta

Meeting Salon

Google Meet: <https://calendar.app.google/4iEuah8ge64ab7YR6>

21. Nazire Burçin Hamutoğlu-Turkey

Cloud Computing Technology Supported Method for Effective Internal Evaluation Report Writing Process is Highlighted

22. Nazire Burçin Hamutoğlu-Turkey

Examination of Opinions on the Web-Based System Developed within the Scope of the Planning Cycle in the Effective Structuring of Teaching Processes

23. Şükrü Acıtaş-Turkiye

Determination of The Effect of Thermal Conductivity, Cooking Function, and Pulsation on Oven Energy Consumption

24. Serhii NOVOSELOV-Ukraine

A Method of Sorting Parts in An Intelligent Factory Based on A Manipulator with A Pneumatic Gripper in Combination with A Computer Vision System

31.05.2024 Friday 14.00

Chairing

Prof. Dr. Şükrü Acıtaş

Meeting Salon

Google Meet: <https://calendar.app.google/4iEuah8ge64ab7YR6>

14.00 Invited Speaker
Prof. Dr. Cem Yüce (Turkey)

31.05.2024 Friday 15.00

Chairing

Prof. Dr. Şükrü Acıtaş

Meeting Salon

Google Meet: <https://calendar.app.google/4iEuah8ge64ab7YR6>

25. İlhan Usta-Turkiye

On The Relationship Between Cooking Function and The Upper Heater with Oven Energy Class Labels

26. Meliani Newal-France

Evaluation of The Hemolytic Effect of Rhamnus Alaternus

27. Mehmet Fidan-Turkiye

Anomaly Detection In Railway Images Using Unsupervised Clustering of Infrared Thermography

28. Ertan Çalmaz-Turkiye

In Vitro Effects of Luteolin On The Toxicity of Acrylamide in Leydig

31.05.2024 Friday 16.00

Chairing

Dr. Zafer Dikmen

Meeting Salon

Google Meet: <https://calendar.app.google/4iEuah8ge64ab7YR6>

29. Emre Tarakçıoğlu-Turkiye

Neuronal Loss of Perineuronal Nets in Response to Microglial NLRP3 Inflammasome Activation

30. Svitlana Maksymova -Ukraine

Constructing an Optimal Route for a Mobile Robot Using a Wave Algorithm

31 Svitlana Sotnik-Ukraine

Optimization of Work: in-Depth Look at Kanban, Scrum and Lean

32 Firas I. Syam-Indonesia

Evaluating the Impact of Virtual Laboratories

31.05.2024 Friday 17.00

Chairing

Prof. Dr. Nihal Kuş

Meeting Salon

Google Meet: <https://calendar.app.google/4iEuah8ge64ab7YR6>

33. B. Misan-Ukraine

Features of 3D Printing of Oral Films

34. Halit Çavuşoğlu -Turkiye

Porous Graphene Aerogels for Photocatalysis-Assist Methylene Blue Removal From Aqueous Solutions

35. Svitlana Sotnik-Ukraine

Optimization of Work: in-Depth Look at Kanban, Scrum and Lean

36. Yeliz Mert Kantar-Turkiye

Detection of Heteroscedasticity Using Machine Learning-Based Methods

01.06.2024 Saturday 09.00

Chairing

Nur Uluhan

Meeting Salon

Google Meet: <https://calendar.app.google/1crgWwMFUxfDJut59>

37. Güldane GÖZEN TAVŞAN-Turkiye

Standart Karyotype of *Turcichondrostoma fahirae* (Ladiges, 1960)

38. Seçil Sevim Ünlütürk -Turkiye

Enhancing The Electrical Conductivity of TiO₂ Nanoparticles by Surface Modification

39. Olena Kovalenko -Ukraine

Effect of Scattering on The Transmission Spectra of Crystalline P-Terphenyl

40. Sergi Sheiko -Ukraine

Detection and Recognition of Unmanned Aerial Vehicles by the Spectrum of Their Acoustic Signals

01.06.2024 Saturday 10.00

Chairing

Prof. Dr. Abidin Kılıç

Meeting Salon

Google Meet: <https://calendar.app.google/1crgWwMFUxfDJut59>

41. Baghdad Abdulhameed Abdullah AL BADANI-Turkiye

An Investigation of The Kinetic Energy Operator of A Polyatomic Molecule with Geometric Algebra

42. Abdilahi Ahmed ABDI-Turkiye

Future Trends and Emerging Technologies in DC-DC Converters: A Review

43. Leman Gökçen Gerelgiz-Turkiye

Investigation of Sputtered Co/Cu Multilayers with Different Deposition Rates and Total Film Thicknesses

44. Izfa Riza Hazmi -Malaysia

Species Composition of Household Ants (Formicidae: Hymenoptera) in Hulu Langat, Malaysia

POSTERS PRESENTATIONS

01.06.2024 Saturday 11.00-12.00

Chairing

Prof. Dr. Murad Omarov

Meeting Salon

Google Meet: <https://calendar.app.google/1crgWwMFUxfDJut59>

45. Burcu Denemeç-Turkiye

Determination of Monoammonium Phosphate in Dry Chemical Powder Fire Extinguishers by Icp-Oes Using Different Sample Preparation Methods

46- Meryem Akbelen-Turkey

Ammonia Adsorption Capacities of Natural and Acid Treated Zeolite

47. Amina TABET ZATLA-Algeria

Synergistic Effects of two Essential Oils of Rosmarinus officinalis and Carthamus caeruleus against Pathogenic Microorganisms

48. Gülin Aytaç-Turkiye

Development of Gluten Allergen-Free Color Products

49. Khaled Q. Shawakfeh-Jordan

Synthesis, Characterization and Anti-oxidant Activity of Diosgenin-Functionalized Graphene Oxide

50. Aycha ESSAADOUNI-Morocco

Development, Characterization of a New Low-cost Composite Membrane Composed of An Organic Ultrafiltration Layer and A Polyamide Support

51. Anissa El Absi-Morocco

Hydrodynamic Characterization of A New Ultrafiltration Membrane Synthesized Based on A Biodegradable Polymer and Fillers

52. Khairul Azreena Bakar-Malaysia

Probing The Interaction of Labetalol Hydrochloride with Human Serum Albumin and A1-Acid Glycoprotein: A Biophysical Point of View

53. Süleyman Demir-Turkiye

Reformulation of Compressible Fluid Equations in Terms of Hyperbolic Quaternion

54. Zeynep Gül HASAR-Turkiye

Solving The Flowing/Sagging Problem in Polyester Pigment Pastes Using A Rheology Agent

55. Mohammadjavad Asirad-Iran

Artificial intelligence applications in the characterization of materials

56. Ila Sandrina-Indonesia

Pressure control problem in the production of GaSb substrate

57. Candy Ranjba-Iran

Suggestions for Effective Teaching Methods for Gifted Individuals

58. Raja Sinokij-India

Effective Use of Artificial Intelligence in Solving Traffic Problems

59. Sergei Tudea-Romania

Physical Reality at High Temperatures

60. Manuela Uberi-Italy

Understanding The Origin of Cosmic Rays

61. Nur Uluhan-Turkiye

Physics Experiment Design Applications in Science Experiment Centers

62. Laura Botez-Romania

Critical Turning Points of Climate Change

63. Zeynep H. Baykal-Turkiye

Effect of Antioxidants on Neurodegenerative Diseases

64. Leo Simsoyea-Indonesia

The Effect of Climate Change on Children in Developmental Age

65. Sajjad Sattar-Iran

Comparison of Results Obtained According to Different Statistical Functions in HRXRD Measurements

66- Zallal Khodei-Iran

System Recommendation for Providing the Energy Requirement of Drying Systems from Solar Energy

CONFERENCE EVALUATION MEETING AND CLOSING

01.06.2024 Saturday 12.00

Chairing

Prof. Dr. Abidin KILIÇ

Meeting Salon

Google Meet: <https://calendar.app.google/1crgWwMFUxfDJut59>
