



ECOSF NEWSLETTER



28th ECO Council of Ministers Meeting Held in Mashhad – ECOSF attended

The 28th Meeting of the ECO Council of Ministers (COM) was held on December 3, 2024 in Mashhad, Iran. The Foreign Ministers/Heads of Delegations of the ECO Member States which include the Republic of Azerbaijan, Islamic Republic of Iran (Chair/Host), Republic of Kazakhstan, Kyrgyz Republic, Islamic Republic of Pakistan, Republic of Tajikistan, Republic of Türkiye, Turkmenistan and Republic of Uzbekistan attended the meeting.



ECO Secretariat and specialized agencies and subsidiary bodies of ECO, including the ECO Science Foundation, ECO Trade and Development Bank, ECO Cultural Institute and ECO Educational Institute, ECO Trade and Development Bank (ECO-TDB), ECO Supreme Audit Institute, ECO Regional Center for Risk Management of Natural Disasters (ECORCRM), Secretary Generals of ACD and D-8, ECO College of Insurance and CICA representatives attended the event. In addition, observers and partner international organizations, including the Turkish Cypriot State, Organization of Turkic States, the D-8 Organization for Economic Cooperation, Asia Cooperation Dialogue, and CICA also attended the event.

H.E. Mr. Abbas Araghchi, Foreign Minister of the Islamic Republic of Iran chaired the meeting which revolved around the 2024's theme "Year of Enhanced and Resilient ECO Region through Expansion of Intra-Regional Trade." The Council of ECO Foreign Ministers discussed critical regional priorities, particularly trade, energy, transportation and environmental sustainability, with a shared commitment to strengthening regional integration and sustainable economic growth. The Council also guided the Organization's future endeavors, particularly discussing development of the new ECO strategy, which will set out the roadmap beyond Vision 2025.



Before COM Meeting, a Senior Officials Meeting (SoM) was held on December 2, 2024 to review and finalize the contents of Agenda and Report as well as the Mashhad Communiqué to be considered and adopted by the COM.

The ECO Secretary General, H.E. Mr. Asad M. Khan, delivered an insightful briefing to the Senior Officials, presenting a comprehensive report on ECO's multifaceted activities and strategic efforts aimed at deepening engagement and fostering robust connections with its international partners.

Two member ECOSF Delegation headed by Dr. Ghulam Muhammad Memon Executive Director and accompanied by Mr. Ghulam Abbas Rahar, Manager (Administration) attended the event. Dr. Memon made a statement during the COM Meeting. In his statement, Dr. Memon thanked the host authorities of Iran and the Secretariat of ECO for organizing the meeting amicably. Dr. Memon also thanked the Iranian authorities for their warm hospitality. He highlighted key activities of ECOSF carried out during the year 2024. He also shared that non-ratification of ECOSF Charter is an impediment to function smoothly so requested the non-ratified member countries to ratify the Charter and its Additional Protocol. Dr. Memon informed the Meeting about the financial problems faced by the foundation and urged Member Countries to pay their mandatory budgetary contribution to uplift the Foundation to realize the aims and objectives. The Council adopted the Mashhad Communiqué, a pivotal outcome document that sets strategic directions for ECO's activities, reinforcing cooperation among Member States. The meeting also reviewed progress on key initiatives and projects, emphasizing the importance of collective action to address shared challenges and opportunities.



The Council also emphasized ECO’s expanding global engagement, commending efforts to strengthen partnerships with international and regional organizations, including enhanced collaboration with United Nations agencies and other multilateral platforms. These relationships were recognized as pivotal to advancing ECO’s objectives and increasing its international visibility

The 29th ECO Council of Ministers Meeting will take place in Kazakhstan in 2025, marking the next step in ECO’s mission to advance regional prosperity.

President and Executive Director of ECOSF called upon the Ambassador of Tajikistan to Pakistan

A delegation of ECOSF comprised of Prof. Seyed Komail Tayebi, President, Dr. Ghulam Muhammad Memon, Executive Director and Mr. Ghulam Abbas Rahar, Manager (Administration) visited the Embassy of Tajikistan in Islamabad and called upon the Ambassador H.E. Mr. Sharifzoda Yusuf Toir on December 30, 2024. Deputy Head of Tajik Mission Mr. Saidjon was also present in the Meeting.

The Ambassador warmly welcomed the delegation and provided an overview of Tajikistan’s relations with ECO member countries, particularly with Pakistan and Iran. He emphasized the historical significance of the Khurasan region, highlighted Tajikistan’s economic landscape, and elaborated on the country’s strong bilateral and multilateral ties with ECO nations across various sectors.

Prof. Tayebi expressed gratitude for the Ambassador’s warm reception and insightful briefing on Tajikistan’s history and regional dynamics. He introduced ECOSF, mentioning that it began its formal operations in June 2013 and has since promoted activities in Science, Technology, and Innovation (STI) in the ECO region. Prof. Tayebi also discussed the Foundation’s partnerships with regional and global organizations, which foster collaboration among the ECO scientific community.



President ECOSF announced an upcoming international conference on Science, Technology, and Innovation scheduled for April 2025, where the distinguish guests responsible for science and technology from ECO nations will be invited. He hoped that Tajikistan’s Minister for Higher Education and Science would attend and sought the Embassy’s assistance in facilitating their participation.

Dr. Memon, ECOSF Executive Director, underscored the Foundation’s vital role in supporting the ECO region’s scientific community by fostering bilateral and multilateral STI collaborations. Despite funding challenges due to delays in mandatory contributions by member countries, ECOSF continues to support scientific initiatives and invites ECO scientists to participate in its programs. He requested the Ambassador’s support in ensuring timely contributions from Tajikistan to sustain the Foundation’s operations effectively.

The Ambassador Sharifzoda Yusuf Toir acknowledged ECOSF’s significant contributions to advancing STI in the ECO region and pledged his support to expedite Tajikistan’s budgetary contributions. He proposed a meeting of all ECO Ambassadors in Islamabad to devise a collective strategy for supporting ECOSF—a suggestion welcomed by Prof. Tayebi. The Ambassador also recommended an ECOSF delegation visit to Tajikistan to discuss budgetary contributions with the Tajikistan government, and the relevant institutions to explore further collaboration opportunities.



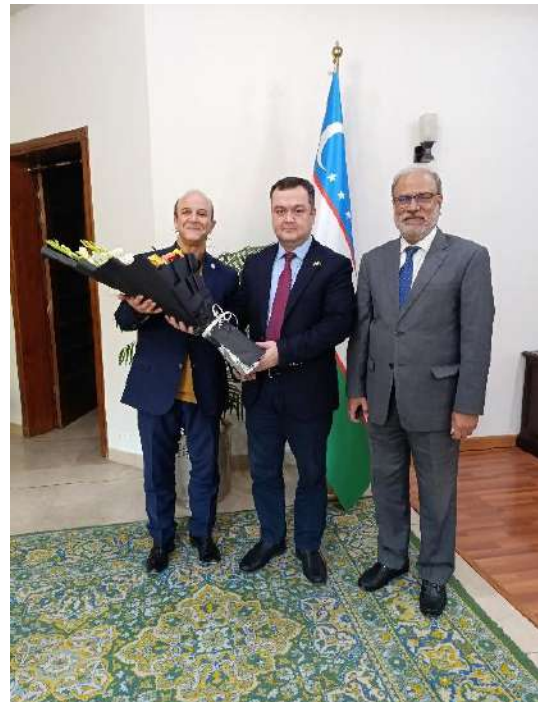
In closing, Prof. Tayebi thanked the Ambassador for the productive discussion and invited him to visit the ECOSF offices, a gesture the Ambassador graciously accepted.

President ECOSF and Executive Director welcomed the new Ambassador of Uzbekistan to Pakistan

On December 26, 2024, a delegation of ECOSF comprised of Prof. Seyed Komail Tayebi, President, Dr. Ghulam Muhammad Memon, Executive Director and Mr. Ghulam Abbas Rahar, Manager (Administration) visited the Embassy of Uzbekistan in Islamabad to welcome H.E. Mr. Alisher Tukhtaev, the newly appointed Ambassador of Uzbekistan to Pakistan.

The Ambassador warmly received the delegation and provided an overview of Uzbekistan’s relations with Pakistan and other ECO countries. He highlighted the country’s strong bilateral and multilateral ties with ECO nations in various sectors, including agriculture, energy, the auto industry, textiles, and cement. The Ambassador emphasized the vast opportunities in the ECO region, particularly in the energy sector, and noted ongoing efforts to enhance regional collaboration.

Prof. Tayebi also mentioned an upcoming international conference on Science, Technology, and Innovation scheduled for April 2025, where distinguished guests responsible for science and technology from ECO countries will be invited. He expressed hope that Uzbekistan’s Minister for Higher Education and Science would attend and sought the Embassy’s support in facilitating their participation.



Furthermore, Prof. Tayebi detailed ECOSF’s partnerships with international and regional organizations, which enable ECO nations to partake in collaborative events. He highlighted the recent collaboration with the Children and Youth Science Center of China, which hosted the 8th Teenager Maker Camp and Teacher Workshop in 2024. This event saw participation from over 90 students and teachers from ECO countries, including 13 students and six teachers from Uzbekistan.

Prof. Tayebi expressed gratitude for the Ambassador's cordial reception and provided a brief overview of ECOSF's mission to foster science, technology, and innovation (STI) activities among ECO member states, aiming to drive economic growth in the region. He also discussed ECOSF's ongoing collaborations with Uzbek institutions and the scientific community. However, he pointed out Uzbekistan's limited participation in ECOSF initiatives due to the non-ratification of the ECOSF Charter and its Additional Protocol. Prof. Tayebi urged the Ambassador to advocate for the completion of the ratification process, emphasizing that it would pave the way for increased Uzbek participation in ECOSF programs.



Dr. Memon, ECOSF Executive Director, underlined ECOSF's critical role in supporting the scientific community within the ECO region, highlighting the Foundation's efforts to foster bilateral and multilateral collaborations in STI. He further said that the ratification by more members will make the Foundation stronger, thus, more activities can be organized by ECOSF. Being an important Member of ECOSF, the Ratification of ECOSF Charter by Uzbekistan will provide great support, he added.

The Ambassador Alisher Tukhtaev acknowledged ECOSF's pivotal role in advancing STI across the ECO region and assured his commitment to expediting the ratification process. He also proposed a visit by an ECOSF delegation to Uzbekistan to discuss the ratification and explore opportunities for further collaboration.

In conclusion, Prof. Tayebi thanked the Ambassador for the constructive dialogue and extended an invitation to visit the ECOSF offices, which the Ambassador gladly accepted.

President ECOSF Participated in Open House and Job Fair at COMSATS University Wah Campus

Prof. Seyed Komail Tayebi, President ECOSF, was invited to attend the closing ceremony of the Open House and Job Fair at the COMSTAS University Wah Campus on Thursday, December 19, 2024. Other notable attendees included Prof. Dr. Jameel un-Nabi, Vice Chancellor of the University of Wah, Dr. Mehdi Taheri, President of Iran Khanah Farhang Rawalpindi, and Mr. Majid Meshki, Cultural Counsellor at the Embassy of Iran.

In his key speech, Prof. Tayebi briefed the ECOSF as one of the specialized agencies in the ECO region, which concentrates on promoting research and technological development for achieving sustainable development and economic growth in ECO region. He said the ECOSF pursues this goal through development of human recourse capacity for science, technology and innovation and science education in ECO region and strengthening institutional capacity in scientific research and technological development among its members. He then referred to important role of universities and industries cooperation in economic development and

job creation. He emphasized such collaboration with national and international organizations in order to prepare students and youth for scientific and technological advancements. Such partnerships can foster knowledge exchange, access to cutting-edge resources, and real-world exposure.



The Open House and Job Fair was held for graduating students of Fall Semester 2024. A total of 148 students from the Management Sciences and Computer Sciences departments presented 71 Final Year Projects (FYPs), showcasing their skills and expertise to industry professionals. Representatives from over 60 companies attended the event, evaluated projects, conducted interviews, and shortlisted students for jobs and internships.

The event concluded with certificates awarded to the best FYP teams and a vote of thanks from the Campus Director.



ECOSF hosted a meeting of ICF and Iranian Cultural Center to discuss the potential collaboration during MLLF-2025

ECO Science Foundation (ECOSF) hosted a meeting of Indus Cultural Foundation (ICF) and Iranian Cultural Center on December 18, 2024. President ECOSF Prof. Seyed Komail Tayebi welcomed the distinguished participants from Iranian Cultural Center Mr. Majid Meshki (Cultural Counsellor) and Dr. Mehdi Taheri, President of Iran Khanah Farhang in Rawalpindi, Dr. Manzoor Hussain Soomro, Member ICF (Ex-President ECOSF) and Mr. Munawar Hussain Memon, Member ICF. The purpose of the meeting was to discuss the collaborative activities during upcoming Mother Languages Literature Festival – 2025 (MLLF-2025) to be held on 21-23 February 2025 in Islamabad.



Dr. Manzoor Soomro highlighted the importance of the mother languages in the society especially for culture, education and science learning. Dr. Soomro added that under his presidency, the ECOSF has been collaborating with ICF and arrange scientific activities for the students and children since inception of MLLF in 2016.

Mr. Munawar Memon thanked ECOSF for arranging the meeting. He briefly shared the history of MLLF started in 2016. He said that during the event, about 80 new books written in local languages are launched during MLLF every year. The event attracts a huge number of participants from all over Pakistan.

President ECOSF Prof. Tayebi said that it is the pleasure to be part of such a huge and impactful event. He assured that ECOSF would continue to support MLLF by arranging the scientific activities.



Cultural Counsellor Iran Mr. Meshki thanked ECOSF for inviting to attend the Meeting. He appreciated the contribution of ICF for promotion of mother languages which is an integral part of the society. Dr. Mehdi Taheri, President of Iran Khanah Farhang in Rawalpindi, briefly shared the history of Iranian cultural center and the contribution to promote Persian language and cultural in Pakistan. Both the Iranians assured their participation in the upcoming MLLF through establishing stalls and inviting Persian language experts/poets to share the thoughts.

All the participants appreciated the role of President ECOSF and the Foundation for their unwavering support to MLLF. It was mutually agreed that the communication will be continued to set the modalities for the participation in the event.

President of ECOSF Meets with Mr. Majid Meshki, Cultural Counsellor of the Embassy of Iran in Islamabad

Professor Seyed Komail Tayebi, President of the ECO Science Foundation (ECOSF), met with Mr. Majid Meshki, the Cultural Counsellor of the Embassy of Iran in Islamabad on December 5, 2024. The meeting took place in a friendly and welcoming atmosphere.



Mr. Meshki warmly welcomed Professor Tayebi and spoke about the strong cultural ties between Iran and Pakistan.

Professor Tayebi talked about the important role of culture in advancing science, technology, and innovation. He explained how culture can be included in STEAM (Science, Technology, Engineering, Arts, and Mathematics) education, which is the main goal of ECOSF. He said that cultural basics can help encourage progress in science and technology in the region.

Professor Tayebi invited Mr. Meshki to join the upcoming Mother Languages Literature Festival - 2025. This event is designed to celebrate linguistic diversity and cultural heritage and to strengthen regional cooperation. Mr. Meshki thanked Professor Tayebi for the invitation and praised the idea of the festival. He said it is a great chance to highlight the similarities between the Persian (Farsi) and Urdu languages. He also stressed that these two languages are important tools for building a shared cultural connection between Iran and Pakistan. Mr. Meshki added that promoting the Persian language in Pakistan and the Urdu language in Iran is essential to improving understanding and cooperation between the two countries.

The meeting ended on a positive note, with both sides agreeing on the value of using cultural connections to support development and innovation in the region.

ECOSF participated in the VisioSpark 2024: Showcasing Innovation and Entrepreneurship at COMSATS University

COMSATS University Islamabad, Wah Campus, hosted **VisioSpark 2024**, marking the 20th anniversary of this national-level IT and engineering event. Since its inception in 2003, VisioSpark has provided a dynamic platform for students and young entrepreneurs to present innovative startup ideas and technological solutions addressing local challenges.



Over 1,000 students from 52 universities across Pakistan showcased their projects. Participants engaged in various competitions, including software project exhibitions, coding challenges, mobile app development, and engineering design contests, fostering a spirit of innovation and technical excellence.



Prof. Seyed Komail Tayebi, President of the Economic Cooperation Organization Science Foundation (ECOSF), graced the event as the Guest of Honor. In his keynote address titled "Leveraging Science, Technology, and Innovation to Drive Startup Growth," Prof. Tayebi emphasized the important role of startups in the global economy, noting that Startups contribute enormously to the global GDP, with a worth of approximately US\$3 trillion. They play a significant role in job creation, driving innovation, and spurring economic growth."He highlighted the potential within the ECO region and underlined that the region, being a source of highly educated and skilled labor—especially youth—can serve as a promising incubator for new high-tech businesses.

Prof. Tayebi also interacted with students, reviewing startup competitions and offering insights to young entrepreneurs.



Earlier, Prof. Sajid Qamar, Rector of COMSATS University, commended the participants for their innovative ideas and underscored the COMSATS university's commitment to fostering an entrepreneurial ecosystem. Prof. Qamar lauded that the Graduates of CUI are diligently playing their role for progress of Pakistan as well international community through their projects and startups. Dr. Muhammad Abid, Campus Director of CUI Wah, also highlighted the importance of such events in bridging the gap between academia and industry, preparing students to tackle real-world challenges. He said that the Visio Spark is an idea of culmination of innovation and entrepreneurship.



President ECOSF participated in the Closing Ceremony of the 8th Young Scientists Festival (YSF), held in Tehran, Iran

The 8th Closing Ceremony of the Young Scientists Festival (YSF) was organized by the Jamili Science and Technology Foundation, the ECOSF partner and the member of BRISEC, held at the University of Tehran, Iran on December 17, 2024. Prof. Tayebi, President ECOSF, attend the ceremony virtually.

The 8th Young Scientists Festival was driven by the mission of supporting basic sciences crucial for the development of technology and innovation. The festival made strides in supporting applied projects stemming from basic sciences, including chemistry, physics, mathematics and computer science, biology, geology, AI, and for the first time, environmental sciences, aligning with the SDG goals. The festival garnered spiritual support from a multitude of national and international institutions including the Ministry of Science, Research, and Technology, the Iranian National Commission for UNESCO, University of Tehran, Embassies of Norway,



Nicaragua, Germany, Malaysia, Switzerland, South Africa, India, Saudi Arabia, and numerous other scientists, directors, and entrepreneurs were in attendance.

The closing ceremony of the festival featured participation from local and international representatives of organizations such as ECO Science Foundation (ECOSF), ICESCO, IORA Regional Centre for Science and Technology Transfer (IORA RCSTT), BRISEC, LAZSTA (Met South West Science Teachers Association), in either in-person or online formats. Collaboration from international universities was also present, with contributions from Harvard University, Birkbeck College of the University of London, and Tsinghua University.

The festival consisted of two distinct sections: one dedicated to ideapreneurs and another for startup owners, emphasizing the importance of fostering innovative ideas and transforming them into viable businesses and products.

Research teams participating in the Young Scientists Festival had distant collaborators from international institutes in countries such as the USA, UK, Turkey, Germany, Sweden, Canada, China, Spain, and France. Selected from a pool of talented participants with qualified proposals, 10 research teams and 4 startup teams were recognized as laureates and awarded for their innovative ideas and potential contributions to the scientific community.



The festival concluded with the awarding of the specific funds as research or development grants to the festival’s laureates. Notably, 10% of the grants were given as cash prizes during the ceremony, while the remaining amount was allocated to their projects, demonstrating a significant investment by the Jamili Science and Technology Foundation, a non-governmental organization in Iran, nurturing the continued development of young scientists.

President ECOSF met with Founder/CEO of Socio Engineering Technologies (SET) and Representative of Smart Education Technology Group.

President ECOSF, Prof. Tayebi, met with Dr. Sonia Saleem, Founder/CEO Socio Engineering Technologies (SET), former Senior Vice President of Islamabad Women Chamber of Commerce and Industry (IWCCI) and a Central Executive Committee member at Pakistan’s IT Industry Association (P@SHA) at ECOSF on December 10, 2024. Ms. Alia Naseer, the International Partnership Manager at SET, also attended the meeting.



Prof. Tayebi provided an overview of ECOSF’s mission, highlighting its role in promoting science, technology, and education across the ECO region to foster socio-economic growth

Dr. Sonia Saleem introduced Socio Engineering Technologies (SET), emphasizing its initiatives in digital transformation, education, and empowerment, particularly in the IT sector.

The meeting focused on potential partnerships to develop and deliver training programs in soft skills, English language proficiency, and digital skills. These programs aim to enhance employability and entrepreneurship in the ECO region.

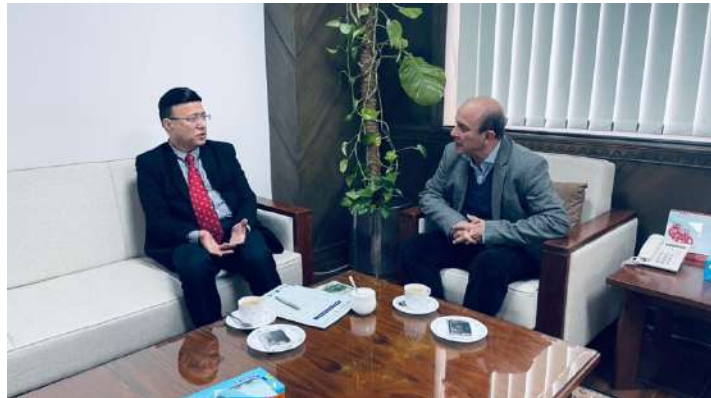
Both parties discussed avenues to empower the youth through innovative education and training programs. These initiatives are designed to contribute to regional socio-economic development.

The meeting concluded on a positive note, expressing hopefulness about the partnership’s potential to make a significant impact in the ECO region.



ECOSF and PSF Leaders Discuss Collaborative Initiatives for ECO Region

On December 23, 2024, Prof. Seyed Komail Tayebi, President ECOSF met with Prof. Dr. Akram Shaikh, Chairman of the Pakistan Science Foundation (PSF) to discuss initiatives aimed at enhancing scientific research and development within the ECO Member Countries. The meeting focused on promoting joint research programs and PSF's partnership in the upcoming conference on Science, Technology, and Innovation (STI) for Regional Connectivity and Sustainable Development in the ECO region. Both leaders expressed their commitments to strengthening collaboration between ECOSF and PSF in advancing scientific research and innovation within the ECO region. Prof. Tayebi proposed that ECOSF and PSF co-host a dedicated panel session on the STI ecosystem during the conference, a suggestion that Prof. Shaikh endorsed, assuring that PSF would be a key partner in this initiative.



Announcement

International Conference on e-Learning and e-Teaching (ICeLeT 2025)

Iranian Association of e-Learning (YADA) is planning to host 18th National and 12th International Conference on e-Learning and e-Teaching (ICeLeT 2025) on February 25-27, 2025. This conference aims to provide the premier interdisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered, and the solutions adopted in the field of e-Learning and e-Teaching.

Themes:

- Teaching/Learning models, methodologies & design for blended, self-navigating, game-based learning
- E-learning and improving employee skills in industries and organizations and developing organizational capital
- The role of social networks and other virtual environments in e-learning
- Interactive methods in electronic teaching and learning
- Social, cultural and ethical aspects in e-learning systems
- Policies, strategies and programs in e-learning
- Virtual and remote laboratories, metaverse and AR/VR for teaching and learning
- Artificial Intelligence and Advanced Technologies in Learning
- Learning analytics

For more details, please visit: <https://icelet.ir/2025/Home/Index>

18th National and 12th International Conference on e-Learning and e-Teaching
 Focusing on Technology-Enhanced Learning in Industries and Organizations
 WWW.ICELLET.IR

25 to 27 Feb 2025

Important Dates
 Full Paper Submission: 30 Nov 2024
 Notification of Acceptance: 29 Jan 2025
 Final Paper Submission: 8 Feb 2025

The Main Parts
 • Keynote Speeches
 • Panel Discussions
 • Papers and Posters Presentations
 • Reports of the Best Experiences
 • Workshops
 • Exhibition

Sponsors
 Includes logos for various institutions like the Ministry of Education, Shiraz University, and others.

Conference Topics
 ✓ Teaching/Learning models, methodologies & design for blended, self-navigating, game-based learning, ...
 ✓ E-learning and improving employee skills in industries and organizations and developing organizational capital
 ✓ The role of social networks and other virtual environments in e-learning
 ✓ Interactive methods in electronic teaching and learning, ...
 ✓ Social, cultural and ethical aspects in e-learning systems
 ✓ Policies, strategies and programs in e-learning
 ✓ Virtual and remote laboratories, metaverse and AR/VR for teaching and learning
 ✓ Artificial Intelligence and Advanced Technologies in Learning
 ✓ Learning analytics

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Join us for the ECOSF-IPKI Joint Webinar: "Gregori Perelman: The Man Who Refused A Million Dollar Award" on January 15, 2025.

ECO Science Foundation (ECOSF) and and IMRAN PARVEZ KHAN INSTITUTE (IPKI) cordially invite you to participate in the Webinar.

Gregori Perelman: The Man Who Refused A Million Dollar Award
 Speaker: Dr. M. Zafar Iqbal

Zoom Link: <https://tinyurl.com/mw699dts>
 Zoom ID: 899 7571 8845
 Password: 119317

January 15, 2025
 11:00 AM (GMT+5)

www.ecosf.org

Abstract

There is no Nobel Prize in mathematics as per the will of Alfred Nobel. Fields medal is, however, considered an equivalent to the Nobel Prize. In August 2006, Grigori Perelman, a Russian mathematician was awarded the Fields Medal for "his contributions to geometry and his revolutionary insights into the analytical and geometric structure of the Ricci flow." Perelman declined to accept the award or to appear at the congress, stating: "I'm not interested in money or fame; I don't want to be on display like an animal in a zoo." This talk aims to highlight the exciting work of Perelman and its monumental consequences for the field of topology and mathematics, in general.

Prof. Dr. M. Zafar Iqbal

Current Position:

- Professor Emeritus, Department of Physics, Quaid-i-Azam University, Islamabad

Past Positions:

- Dean, Faculty of Natural Sciences, Quaid-i-Azam University, Islamabad, Chairman, Department of Physics, Quaid-i-Azam University, Islamabad
- Professor of Physics, Quaid-i-Azam University, Islamabad until 2009
- Professor and Advisor, Department of Physics, CIIT (now COMSATS University), Islamabad (2009 - 2018)

Highest degree:


- Ph.D. (1974), University of Manchester, **Specialization:** Semiconductor Science and Technology
- **Additional Current Interests:** Astrophysics/Cosmology, Life Sciences and other Breakthrough Areas

Honours and Awards:


- Fellow, Institute of Physics, UK
- Fellow, Pakistan Academy of Sciences
- Civil Awards: Pride of Performance (1998)
- Sitara-e-Imtiaz (2004), for contributions to scientific research.



Join us for the ECOSF-UIMS Joint Webinar: "When the Extraordinarily Rare Meets the Commonplace: Understanding Coincidences" on January 21, 2025.




ECO Science Foundation (ECO SF) and Union of Iranian Societies of Mathematical Sciences (UIMS)
Cordially invite you to participate in Lecture Series on Popularising Mathematics and Science.




When the Extraordinarily Rare Meets the Commonplace: Understanding Coincidences



Speaker: Dr. Saeed Ghahramani




Tuesday, January 21, 2025




07:30 PM (GMT+5) Pakistan Time
06:00 PM (GMT+3:30) Iran Time


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When the Extraordinarily Rare Meets the Commonplace: Understanding Coincidences

Speaker: Dr. Saeed Ghahramani

Abstract:

In this talk, we delve into the intriguing realm of events that appear to defy the limits of possibility—events so rare and improbable that they often seem beyond the reach of natural laws. What accounts for their recurrence? How can we make sense of the seemingly unnatural and anomalous, such as a person being struck by lightning multiple times or winning the lottery jackpot more than once? While these occurrences might be dismissed as mere anomalies or strokes of fate, they serve as fascinating illustrations of the interplay between chance and inevitability in a probabilistic world. Far from being random chaos, such rare events are governed by the very same mathematical principles that underpin much of the universe. Just as natural laws regulate physical and biological phenomena, the laws of probability offer a framework to understand and even predict the occurrence of extraordinarily rare events.

As we explore the science and philosophy of probability, we will uncover how chance and structure intertwine to shape events that seem beyond belief. Through this lens, we will explore how the extraordinary emerges from the ordinary, offering insights into why the improbable not only occurs but is, in some sense, an inevitable part of our world.