

Sessions			
	Time	Program	Theme/Session
Day 1	08:00 - 08:45	Registration	-
	09:00 - 09:45	Opening & Introductory Remarks	-
	09:45 - 10:30	Keynote Speech I, Prof. J. Sheyholislami	Science Communication in Kurdish
	10:30 - 11:00	Coffee Break	-
	11:00 - 12:30	Oral Presentations	Intersections of Science and Heritage
	12:30 - 13:30	Lunch Break + Social Campaigns CA	-
	13:30 - 14:45	Oral Presentations	Language & Education
	14:45 - 15:00	Coffee Break	-
	15:00 - 16:45	Panel Discussion	Kurdish in Science & Science Communication
	16:45 - 16:55	Short Break	-
	17:00 - 18:00	Workshop/Tutorial	Science Communication & Science Journalism
Day 2	09:00 - 09:45	Keynote Speech II, Prof. G. Leuchs	Science and Society
	09:45 - 10:05	Oral Presentations	Frontiers in Fundamental Sciences I
	10:05 - 10:30	Coffee Break	-
	10:30 - 11:20	Oral Presentations	Frontiers in Fundamental Sciences II
	11:20 - 11:40	Oral Presentations	Voices in Global Governance
	11:45 - 13:00	Lunch Break + Social Campaigns B	-
	13:00 - 14:00	Oral Presentations	Science, Storytelling, & Structural Challenges
	14:00 - 14:15	1-minute Poster Pitches	-
	14:15 - 14:30	Coffee Break	-
	14:30 - 15:30	Poster session	-
	15:30 - 17:00	Panel Discussion	Academic Institutions & NGOs
	17:15 - 18:15	Workshop/Tutorial	Grant Writing
	09:00 - 09:45	Keynote Speech III, Prof. E. Karimi	Shaping a Career, Like Shaping Light

Day 3	09:45 - 10:30	Oral Presentations	Urban Science
	10:30 - 11:00	Coffee Break	-
	11:00 - 12:30	Oral Presentations	Health
	12:30 - 13:40	Lunch Break + Mentoring Session	-
	13:40 - 15:30	Oral Presentations	Energy & Environment
	15:30 - 15:45	Coffee Break	-
	15:45 - 17:30	Panel Discussion	Career Development
	18:30 - 22:00	Şevê Çandî (Cultural Night)	-

Day 4	09:00 - 09:45	Keynote Speech IV., Prof. S. Abbasi Nejad Enger	The Power of Persistence: Women's Journey in Science
	09:45 - 10:30	Oral Presentations	Rethinking Equity, Diversity, and Inclusion
	10:30 - 11:00	Coffee Break	-
	11:00 - 12:30	Oral Presentations	Natural Resources
	12:30 - 13:30	Lunch Break + Social Campaigns CB	-
	13:30 - 14:00	Oral Presentations	Biology
	14:00 - 14:45	Oral Presentations	Emerging Technologies
	14:45 - 15:00	Coffee Break	-
	15:00 - 16:30	Panel Discussion	Inclusive Science: EDI & Women
	16:30 - 17:00	Awards and Farewell	-

Sessions & Speakers

Code	Speaker	Title	Presentation Style
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Day 1, 25.08

11:00 - 12:30 - Intersections of Science and Heritage			
HSF_IV15	Aram Ghalali	Detecting Degradation Products of Chemical Weapon Agents in th	Invited Talk
HSF_27	Jamil Bahrami	Water Resources Management in Kurdistan	Invited Talk

HSF_98	Sima Saadi	Harnessing Big Data for Freshwater Protection: Applying Canadian	Invited Talk
HSF_41	Diako Kaboodi	Reviving the şimşal through Science to Protect the Kurdish Herita	Talk
HSF_17	Boshra Bahrami	“What Does a Cow Say?”: Exploring Onomatopoeic Animal Sound	Talk

13:30 - 14:45 - Language & Education

HSF_79	Sardar Saadi	Learning in Times of Crisis: Introducing the University of Rojava an	Invited Perspective
HSF_61	Hawre Hosseini,	Bridging the Data Divide: The Kurdish Language in the Age of AI	Perspective (Orga Team)
HSF_03	S. Madeh Piryonesi	بەریک لە کێشەکانی زمانی زانستی کوردی	Perspective
HSF_56	Tevfik Bayram	How 'narration' could unfold oppression and internalized oppressi	Talk

Day 2, 26.08

09:45 - 11:20 - Frontiers in Fundamental Science

HSF_IV11	Ebrahim Karimi	Can Human Colour Vision Deficiency Be Overcome?	Invited Talk
HSF_IV04	Caucher Birkar	The Fascinating World of Mathematics	Honanry online talk
HSF_IV11	Khabat Heshami	100 years of quantum physics; from theory to application	Invited Talk

11:20 - 11:40 - Voices in Global Governance

HSF_IV10	Rebar Jaff	A Kurdish Voice in Global Governance: Navigating Identity, Langua	Invited Perspective
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13:00 - 14:00 - Science, Storytelling, and Structural Challenges

HSF_86	Roza Yigit	Kurdish Language in Northern Kurdistan: Archives, Institutions, an	Invited Perspective
HSF_55	Ataollah Zarei	Engineering Education in the Age of Artificial Intelligence: Evolving	Extended Talk/Tutorial
HSF_80	Ranjdar Mustafa Has:	سینەما، وەک نامرازیك بو پەيوەندی زانستی	Perspective

14:00 - 15:30 - Posters

HSF_48	Zanko Rouein	Design and Fabrication of a Biosensor for Detecting Fluid Biomarkers in the Early-Stage Diagnosis of Alzheimer’s Disease
HSF_25	Edalat Amini	Exploring the Protective Role of Natural Compounds in Kidney Health
HSF_57	Mehdi Jafari	Exploring the Association between Alcohol Consumption Patterns and Adult-Onset Asthma

HSF_26	Saeed Khezri	Zoning of Caving and Dissolution Process in Kurdistan Province Based on Natural Factors
HSF_66	Mehran Mehri	Metaheuristic Approach for the Facility Layout Problem in a Hospital
HSF_102	Sakine Dalga	Entry of Polycyclic aromatic hydrocarbons (PAHs) into the feed Chain: Impacts on Animal and Human health
HSF_83	Hesa Shwan Abdullah	Smart Buildings, Smarter Cities: AI-Driven Building Management for Urban Resilience
HSF_91	Vahid Habib Zadeh B	Technical Trainer & Representative at Fresenius Medical Care
HSF_93	Loghman Moradi	چوارچینۆهیک له سهر بنهمای ترانسفورمر بۆ دهرهینانی نهمخشی ریگای کانگه کر او مکان به کملک وهرگرتن له وینهی سهته لایت
HSF_103	Serhat Nabatoglu	The Position of Kurds in the Digital World Among Stateless Nations
HSF_12	Sarbast Sanaan Yahya	The role of science and technology in the development of entrepreneurship and management
HSF_31	Arwaa Wshyar Abdul	AI in Kurdistan: Key roles, institutions, and applications
HSF_54	Jamil Bahrami	Sequential Dam Failure Analysis Using HEC-RAS: A Case Study of Qeshlaq and Zhawa Dams in Kurdistan Province

Day 3, 27.08

09:45 - 10:30 - Urban Science

HSF_02	S. Madeh Pirayonesi	A smart city, a smart move or a dumb one?	Invited Talk
HSF_07	Shene Abdalla	IllumiSafe: AI-Driven Adaptive Street Lighting and Vehicle Simulation	Talk
HSF_08	Jiro Sadeghi	Developing a Walkability Scoring Platform: A Multi-Criteria GIS-Based Approach	Talk

11:00 - 12:30 - Health

HSF_13	Hemn Mohammadpo	Chronic Stress and Cancer: An Old Question with New Insights	Invited Talk
HSF_84	Hauna Sheyholislami	Micronutrients and Microbes: Advancing Health of Women and F	Talk
HSF_58	Kwestan Safari	Targeting IL-13 to Prevent Intestinal Fibrosis in Crohn's Disease	Talk
HSF_78	Majed Amini	Next-Generation Wound Care: A Microneedle Patch with Integrated	Talk
HSF_70	Mehdi Jafari	Determinants of Multi-Drug-Resistant Tuberculosis in Iran: A Natic	Talk
HSF_100	Shahin Zagros	An integrated perspective into human relational memory	Talk

13:40 - 15:30 - Energy & Environment

HSF_IV14	Maziar Rajabi	Carbon Economy as a Catalyst for Global Transformation: From Po	Invited Talk
HSF_IV02	Serveh Kamrava	Machine Learning Aided Materials Property Optimization.	Invited Talk

HSF_IV01	Farid Safari	A question concerning technology; Ecological perspective	Invited Talk
HSF_IV13	Shadi Vafaeyan	Clean Energy from Hydrocarbons? Revisiting direct hydrocarbon fu	Invited Talk
HSF_35	Zanar Ahmadi	Greenhouse-Gas-Emission-Aware Portfolio Optimization with Dee	Talk
HSF_72	Media Sina	Silicon in lithium ion batteries: the path to more accessible energy	Talk

Day 4, 28.08

09:45 - 10:30 - Rethinking Equity, Diversity, and Inclusion

HSF_IV18	Berivan Kutlay Sarika	Rethinking DEI and Gender Equality through Refugee Women's Ex	Invited Perspective
HSF_IV12	Fereydoon Rahmani	Kurdish Diasporic Scholarship and the Structural Limits of Equity, I	Invited Talk

11:00 - 12:30 - Natural Resources

HSF_IV05	Kamran Esmaeili	Intelligent Remote Sensing Solutions for the Mining Industry	Invited Talk
HSF_IV07	Ezzeddin Bakhtavar	Sustainable and Responsible Mining	Invited Talk
HSF_94	Yaser Rahmanian	Living with Nature in Cold Climates: Integration of domestic dwelli	Talk
HSF_06	Hasti Shwan	Advanced Predictive Analytics for Climate -Resilient Road Infrastru	Talk
HSF_43	Keyvan Ranjbar	National Research Council Canada's airborne observations of the i	Talk

13:30 - 14:00 - Biology

HSF_92	Soma Sardar Barawi	Comparative genomics reveals lateral gene transfer of nitrogen-fix	Talk
HSF_01	Kousar Ramezani	A scaffold for regeneration of nasal cartilage	Talk

14:00 - 14:45 - Emerging Technologies

HSF_IV06	Rastgo Hawrami	Novel Materials for Advanced Detection and Imaging Sensors	Invited Talk
HSF_99	Hiwa Mahmoudi	Semiconductors	Talk (Orga Team)
HSF_90	Aso Rahimzadegan	Shrinking Light Technology: A New Era of Miniaturized Optics	Talk (Orga Team)

Timing

Presentation Style	Allocated Time Excluding Q&A [min]
Keynote	35
Honanry online talk	20
Invited Talk/Perspective	15
Perspective (Orga Team)	15
Talk	11
Talk (Orga Team)	11