

SCIENTIFIC PROGRAM

Time	Salon	Lecture	Moderator/Speaker
1 May, FRIDAY			
8.00-9.00		REGISTRATION	
9.00-9.45		NETWORKING	
9.45- 10.15	1	Welcome Session: Opening Speeches	
10.15-11.00	1	From Ancient Massage to Artificial Intelligence: The Boundless Evolution of Physiotherapy	Pt. PhD. Mehmet Gürhan Karakaya
11.00-12.30	1	Panel 1. The Future of Rehabilitation Technologies	Pt. PhD Sibel Aksu Yıldırım, Pt. PhD Deran Oskay
11.00-11.20	1	Past, Present, and Future of Rehabilitation in Azerbaijan	Dr. Parvin Akbarov
11.20-11.40	1	Envisioning the Future of Rehabilitation Technology	Pt. PhD Mert Doğan
11.40-12.00	1	The Future of Robotic Rehabilitation	Eng. PhD Gökay Çoruhlu
12.00-12.20	1	Robotic Rehabilitation in the Pediatric Population	Pt. Narmin İmanlı
12.30-13.30		LUNCH BREAK	
	1,2	ORAL PRESENTATIONS	Pt. PhD Onur Aydoğdu, Pt. PhD Sefa Eldemir

13.30-14.30	1	Panel 2. From Academia to Industry: Four Generation of Innovation in Medical Robotics	Eng. PhD Erkan Kaplanoğlu, Dr. Parvin Akberli
13.30-13.50	1	Current Trends and Emerging Approaches in Medical Robotics	Eng. PhD Erkin Gezgin
13.50-14.10	1	From Concept to Prototype: Developing a Modular End-Effector Robot	Eng.Mertcan Koçak & Eng.Sinan Tüfekci
14.10-14.30	1	Tracking Passive Joint Motion with IMU Sensors on a End-Effector Robotic Systems	Eng. Alperen Arıcı
14.30-15.00		COFFEE BREAK	
15.00-17.00	1	Panel 3. The Role of Artificial Intelligence in the Future of Physiotherapy	Pt. Muhammed Kılınç, Dr. Aytan Aghalarova
15.00-15.20	1	Artificial Intelligence–Supported Research in Physiotherapy	Pt. PhD Murat Emirzaoğlu
15.20-15.40	1	Paradigm Shift in Physiotherapy: From Digital Twins to Artificial Intelligence–Driven Clinical Decision Support Systems	Pt. PhD Orkun Tahir Aran
15.40-16.00	1	Can We Predict Fall Risk? The Role of Artificial Intelligence in Gait and Balance Assessment	Pt. PhD Güzin Kaya Aytutuldu
16.00-16.20	1	Artificial Intelligiance Supported Wearable Devices in Upper Limb Motor Impairment	Eng. PhD Erkan Kaplanoğlu
16.20-16.40	1	Artificial Intelligence–Supported Digital Assistants in Stroke Management.	Pt. Asalet Aybüke Güp
16.40-17.00	1	The Era of Digital Neurorehabilitation in Epilepsy: The Intersection of Brain, Technology, and Exercise	Pt. Ramil Ahmedov
17.00-18.00	1,2	ORAL PRESENTATION	Pt. PhD Fatih Özden, Pt. PhD İpek Kırmacı

2 MAYIS CUMARTESİ

9.00-9.30	1	Conference	Dr. Hayale Agamirzayeva
		Brain Death and Neurosonographic Imaging	Dr. Oğuzhan Kurşun
9.30-10.00	1	Conference	Pt. İrem Düzgün
		Leveraging International Funding and Support in Project Development	Eng. Şener Karabulut
10.00-11.00	1	Panel 4. Entrepreneurship	Dr. Sinan Apaydın, Pt. PhD Buket Akıncı
10.00-10.20	1	Industry Experience: A Best Practice Example	Eng. Ömür Deler
10.20-10.40	1	Surviving in the Entrepreneurship Ecosystem	Pt. PhD Engin Şimşek
10.40-11.00	1	Bridging Clinical Practice and Startups: Innovation in Cardiopulmonary Rehabilitation	Pt. PhD Buket Akıncı
10.00-11.00	2	Panel 5. Integrating Technology in Physiotherapy Education and Health Informatics.	Pt. PhD Sibel Aksu Yıldırım
10.00-10.20	2	Funds and Support in Innovative Processes	Eng. PhD Şener Karabulut
10.20-10.40	2	Shaping the Future of Physiotherapy Education: Insights from Science Mapping.	Ed. Tech. PhD Salih Bardakçı
10.40-11.00	2	Collaborative Online International Learning (COIL)	Pt. PhD Gizem İrem Kınıklı
11.00-11.30		COFFEE BREAK	
11.30-12.30	1	Panel 6. Robotic Technologies in Spinal Cord Treatment.	Pt. PhD Özlem Ülger, Pt. PhD Sabiha Bezzin
11.30-11.50	1	Integrating Surgical Approaches with Robotic Rehabilitation in Spinal Trauma Care	Dr. Aydın Sinan Apaydın
11.50-12.10	1	Early Robotic Rehabilitation Following Cranial Surgery: Effects on Functional Outcomes.	Dr. Hamza Aksoy

12.10-12.30	1	Applying Technology in Rehabilitation: Insights from an Exoskeleton System Experience	Pt. PhD Meriç Selim Şipal
11.30-12.30	2	Panel 7. Movement Analysis	Dr. Emil Kasımov, Pt. PhD Burcu Talu
11.30-11.50	2	Movement Analysis Systems	Eng.Selin Kirdiş
11.50-12.10	2	Walking as a Conscious Motor Act: Decoding Temporal Patterns in Human Movement	Pt. PhD Hilal Keklicek
12.10-12.30	2	Balance and Gait Analysis Using Wearable Sensors	Pt. Ayşenur Özcan
12.30-13.30		LUNCH BREAK	
12.30-13.30	1,2	ORAL PRESENTATION	Pt. PhD Fatma Ayvat, Pt. PhD Özge Onursal
13.30-14.30	1	Panel 8.Exercise and Technology	Pt. PhD Yasin Yurt, Pt. PhD Gülşah Sütçü
13.30-13.50	1	Exercise Coding 101	Pt. PhD Orhan Öztürk & Pt. PhD Umut Ziya Koçak
13.50-14.10	1	The Next-Generation Exercise Catalog: Leveraging Mobile Apps	Pt. Berkant Anıl Özçelik
14.10-14.30	1	Action Observation Therapy and Virtual Reality–Assisted Clinical Applications.	Pt. PhD Enes Tayyip Benli & Pt. Tuba Kaya Benli
14.30-15.30	1	Panel 9. Telerehabilitation: Insights and Experience Sharing	Pt. PhD Engin Şimşek, Pt. PhD Ender Ayvat,
14.30-14.50	1	TeleAssessment	Pt. PhD Burcu Talu
14.50-15.10	1	TeleRehabilitation	Pt. PhD Yasemin Özel Aslıyüce
15.10-15.30	1	Tele-Rehabilitation and Digital Exercise Platforms: Applications in Musculoskeletal Rehabilitation	Pt. Nesrin Azadlı
15.30-16.00		COFFEE BREAK	

16.00-17.30		Panel 10. Exergame	Dr. Gönül Ahmedov, Pt. PhD Osman Çoban
16.00-16.20		Developing a Therapeutic Game Scenario: A Guide	Pt. PhD Fatma Ayvat
16.20-16.40		Applying Gentile's Taxonomy in Serious Game Design for Robotic Rehabilitation	Eng. Murat Han Uysal
16.40-17.00		Sharing Experience in Gamified Physiotherapy- Turkey	Pt. PhD Özge Onursal
17.00-17.20		Sharing Experience in Gamified Physiotherapy-Azerbaijan	Pt. Sabina Taghiyeva
17.30-18.00		Closing Ceremony	