



SPECOM 2019 and ICR 2019

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Joint Conference Programme

20-25 August 2019 Istanbul, Turkey



















SPECOM and ICR History

21st SPECOM-2019 and 4th ICR-2019, Istanbul, Turkey

20th SPECOM-2018 and 3rd ICR-2018, Leipzig, Germany

19th SPECOM-2017 and 2nd ICR-2017, Hatfield, United Kingdom

18th SPECOM-2016 and 1st ICR-2016, Budapest, Hungary

17th SPECOM-2015, Athens, Greece

16th SPECOM-2014, Novi Sad, Serbia

15th SPECOM-2013, Pilsen, Czech Republic

14th SPECOM-2011, Kazan, Russia

13th SPECOM-2009, St. Petersburg, Russia

12th SPECOM-2007, Moscow, Russia

11th SPECOM-2006, St. Petersburg, Russia

10th SPECOM-2005, Patras, Greece

9th SPECOM-2004, St. Petersburg, Russia

8th SPECOM-2003, Moscow, Russia

7th SPECOM-2002, St. Petersburg, Russia

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5th SPECOM-2000, St. Petersburg, Russia

4th SPECOM-1999, Moscow, Russia

3rd SPECOM-1998, St. Petersburg, Russia

2nd SPECOM-1997, Cluj-Napoca, Romania

1st SPECOM-1996, St. Petersburg, Russia

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The SPECOM and ICR conferences are organized by:

- Boğaziçi University (Istanbul, Turkey)
- St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences (SPIIRAS, St. Petersburg, Russia)
- Moscow State Linguistic University (MSLU, Moscow, Russia)
- Munich University of Technology (TUM, Munich, Germany)

in cooperation with

o International Speech Communication Association (ISCA)

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- Natalia Kashina

Programme at a Glance

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-		Albert Long Hall	Kriton Curi Hall
1	8:30-9:00	Opening	
3	9:00-10:00	Keynote: <i>Hynek Hermansky</i>	
Ď	10:00-10:30	Coffee break	
, (10:30-12:30	SPECOM Session 1 Computational Paralinguistics	ICR Session 1 Human Gait and Walking Robots
	12:30-14:00	Lunch break	Lunch break
	14:00-16:00	SPECOM Session 2 Speech Synthesis	ICR Session 2 Behavior of Robot Group
	16:00-16:30	Coffee break	Coffee break
	16:30-17:50	SPECOM Session 3 Audio Signal Processing	SPECOM Poster session 1
	18:10-20:00	Welcome reception with music	

22 August 2019

•		Albert Long Hall	Kriton Curi Hall
j	9:00-10:00	Keynote: <i>Erol Sahin</i>	
2	10:00-10:30	Coffee break	
	10:30-12:30	Special Bridge SPECOM-ICR Session	ICR Session 3 Robot control and communication
1	12:30-14:00	Lunch break	Lunch break
-	14:00-16:00	SPECOM Session 4 Automatic Speech Recognition	ICR Session 4 Human-Robot Interaction
	16:00-16:30	Coffee break	Coffee break
	16:30-17:50	SPECOM Session 5 Sign Languages and Multimodal Processing	ICR Poster session
	19:00-23:00	Gala cruise on the Bosphorus	

2019 23 August

-		Albert Long Hall
3	9:00-10:00	Keynote: Odette Scharenborg
2	10:00-10:30	Coffee break
השקשה	10:30-12:30	SPECOM Session 6 Speech and Language Resources
3	12:30-14:00	Lunch break
	14:00-16:00	SPECOM Session 7 Speaker Recognition
	16:00-16:30	Coffee break
	16:30-18:00	SPECOM Poster session 2
	18:00-18:20	Closing Ceremony

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	Albert Long Hall				
8:30-9:00	Opening				
9:00-10:00	Keynote: <i>Hynek Hermansky</i> Chair: <i>Murat Saraçlar</i> If You Can't Beat Them, Join Them				
10:00-10:30	Coffee break				
10:30-12:30	SPECOM Session 1 Computational Paralinguistics Chairs: Heysem Kaya & Elena Lyakso				
10:30-10:50	Dmitrii Fedotov, Bobae Kim, Alexey Karpov and Wolfgang Minker	Time-Continuous Emotion Recognition Using Spectrogram Based CNN-RNN Modelling			
10:50-11:10	José Vicente Egas López, László Tóth, Ldikó Hoffmann, János Kálmán, Magdolna Pákáski and Gábor Gosztolya	Assessing Alzheimer's Disease from Speech using the i-vector Approach			
11:10-11:30	Gábor Gosztolya, András Beke and Tilda Neuberger	Differentiating Laughter Types via HMM/ DNN and Probabilistic Sampling			
11:30-11:50	Umut Avci, Gamze Akkurt and Devrim Unay	A Pattern Mining Approach in Feature Extraction for Emotion Recognition from Speech			
11:50-12:10	Maxim Markitantov and Oxana Verkholyak	Automatic Recognition of Speaker Age and Gender based on Deep Neural Networks			
12:10-12:30	Johanna Dobbriner and Oliver Jokisch	Towards a dialect classification in German speech samples			
12:30-14:00	Lunch break				
14:00-16:00	SPECOM Session 2 Speech Synthesis Chairs: Yuri Matveev & Liliya Tsirulnik				
14:00-14:20	Meysam Shamsi, Damien Lolive, Nelly Barbot and Jonathan Chevelu	Script Selection using Convolutional Auto-encoder for TTS Speech Corpus			
14:20-14:40	Lenar Gabdrakhmanov, Rustem Garaev and Evgenii Razinkov	RUSLAN: Russian Spoken Language Corpus for Speech Synthesis			
14:40-15:00	Arman Kaliyev	LSTM-based Kazakh Speech Synthesis			
15:00-16:00	Speed session, poster briefs				

	Kriton Curi Hall	
10:30-12:30	ICR Session 1 Human Gait and Walking Session Chair: Sergey Jatsun	g Robots
10:30-10:50	Sergey Jatsun, Andrei Malchikov and Andrey Yatsun	Investigation of Movements of Lower- Limb Assistive Industrial Device
10:50-11:10	Artem Kovalev, Nikita Pavliuk, Konstantin Krestovnikov and Anton Saveliev	Generation of Walking Patterns for Biped Robots based on Dynamics of 3D Linear Inverted Pendulum
11:10-11:30	Adrien Gregorj, Zeynep Yücel, Sunao Hara, Akito Monden and Masahiro Shiomi	A Signal Processing Perspective on Human Gait: Decoupling Walking Oscillations and Gestures
11:30-11:50	Kamil Khusnutdinov, Artur Sagitov, Ayrat Yakupov, Roman Lavrenov, Edgar A. Martinez-Garcia, Kuo-Hsien Hsia and Evgeni Magid	Household Objects Pick and Place Task for AR-601M Humanoid Robot
11:50-12:10	Ming-Chieh Yang, Hooman Samani and Zhu Kening	Emergency-Response Locomotion of Hexapod Robot with Heuristic Reinforcement Learning using Q-Learning
12:10-12:30	Hamed Jabbariasl, Masashi Yamashita and Tatsuo Narikiyo	An Assist-as-Needed Impedance Controller for Rehabilitation Robots
12:30-14:00	Lunch break	
14:00-16:00	ICR Session 2 Behavior of Robot Group Session Chair: Maxim Knyazkov	p
14:00-14:20	Valery Gradetsky, Ivan Ermolov, Maxim Knyazkov, Eugeny Semenov, Boris Lapin, Sergey Sobolnikov and Artem Sukhanov	Parameters of Motion for Multi-UGV Control System Performing Joint Transportation
14:20-14:40	Mikhail Chemodanov, Vladimir Ryzhov, Nickolay Semenov and Igor Kozhemyakin	Multi-Agent Control System of a Robot Group: Virtual and Physical Experiments
14:40-15:00	Konstantin Krestovnikov, Ekaterina Cherskikh and Petr Smirnov	Wireless Power Transmission System Based on Coreless Coils for Resource Reallocation within Robot Group
15:00-15:20	Donat Ivanov, Evgeny Petruchuk and Sergey Kapustyan	Distribution of Roles in a Dynamic Swarm of Robots in Conditions of Limited Communications
15:20-15:40	Viktor Semenov, Mikhail Sukhoparov and Ilya Lebedev	Approach to Side Channel-Based Cybersecurity Monitoring for Autonomous Unmanned Objects
15:40-16:00	Igor Kalyaev, Eduard Melnik and Anna Klimenko	Distributed Ledger Based Workload Logging in the Robot Swarm

	Albert Long Hall		
16:00-16:30	Coffee break		
16:30-17:50	:50 SPECOM Session 3 Audio Signal Processing Chair: Hynek Hermansky		
16:30-16:50	Tobias Watzel, Lujun Li, Ludwig Kürzinger and Gerhard Rigoll	Deep Neural Network Quantizers Outperforming Continuous Speech Recognition Systems	
16:50-17:10	Teruki Toya, Peter Birkholz and Masashi Unoki	Estimates of Transmission Characteristics related to Perception of Bone-Conducted Speech using Real Utterances and Transcutaneous Vibration on Larynx	
17:10-17:30	Sergei Astapov, Gleb Svirskiy, Aleksandr Lavrentyev, Tatyana Prisyach, Dmitriy Popov, Dmitriy Ubskiy and Vladimir Kabarov	Acoustic Event Mixing to Multichannel AMI Data for Distant Speech Recognition and Acoustic Event Classification Benchmarking	
17:30-17:50	Mahfoud Hamidia and Abderrahmane Amrouche	A New Approach of Adaptive Filtering Updating for Acoustic Echo Cancellation	

	Kriton Curi Hall		
16:00-16:30	Coffee break		
16:30-18:00	SPECOM Poster session 1 Chair: TBD		
	Mohammad Ateeq and Abualsoud Hanani	Speech-Based L2 Call System for English Foreign Speakers	
	Demri Lyes, Falek Leila and Teffahi Hocine	Building a pronunciation dictionary for the Kabyle language	
	Polina Panicheva, Olga Litvinova and Tatiana Litvinova	Author Clustering with and without Topical Features	
	Ivan Gruber, Miroslav Hlaváč, Marek Hruz and Milos Zelezny	Semantic Segmentation of Historical Documents via Fully-Convolutional Neural Network	
	Kamil Ekštein	PocketEAR: An Assistive Sound Classification System for Hearing-Impaired	
	Jakub Sido	Curriculum Learning in Sentiment Analysis	
	Dmitriy Levonevskiy, Dmitrii Malov and Irina Vatamaniuk	Estimating Emotional Features of Russian Text by Means of Machine Learning	
	Irina Kipyatkova	LSTM-Based Language Models for Very Large Vocabulary Continuous Russian Speech Recognition System	
	Svetlana Pekarskih, Evgeny Kostyuchenko, Dariya Novokhrestova, Alexander Shelupanov, Mikhail Nemirovich-Danchenko, Evgeny Choynzonov and Lidiya Batatskaya	Assessment of Syllable Intelligibility Based on Convolutional Neural Networks for Speech Rehabilitation After Speech Organs Surgical Interventions	
	Tatiana Sokoreva and Tatiana Shevchenko	First Minute Timing in American Telephone Talks: A Cognitive Approach	
	Anton Stepikhov, Anastassia Loukina and Natella Stepikhova	Syntactic Segmentation of Spontaneous Speech: Psychological and Cognitive Aspects	

	Albert Long Hall		
9:00-10:00	Keynote: <i>Erol Sahin</i> Chair: <i>Andrey Ronzhin</i>	Animating Industrial Robots for Human- Robot Interaction	
10:00-10:30	Coffee break		
10:30-12:30	Special Bridge SPECOM-ICR Session Chairs: <i>Erol Şahin & Milos Zelezny</i>		
10:30-10:50	Oliver Jokisch, Ingo Siegert, Michael Maruschke, Tilo Strutz and Andrey Ronzhin	Don't talk to noisy drones acoustic interaction with unmanned aerial vehicles	
10:50-11:10	Alexey Kashevnik, Igor Lashkov, Dmitry Ryumin and Alexey Karpov	Smartphone-Based Driver Support in Vehicle Cabin: Human-Computer Interaction Interface	
11:10-11:30	Jakub Kanis, Zdeněk Krňoul and Marek Hrúz	Combination of Positions and Angles for Hand Pose Estimation	
11:30-11:50	Gleb Kiselev and Aleksandr Panov	Hierarchical Psychologically Inspired Planning for Human-Robot Interaction Tasks	
11:50-12:10	Zalimkhan Nagoev, Inna Pshenokova, Irina Gurtueva and Olga Nagoeva	Multi-Agent Model of Semantics of Simple Extended Sentences Describing Static Scenes	
12:10-12:30	Panel discussion		
12:30-14:00	Lunch break		
14:00-16:00	SPECOM Session 4 Automatic Speech Chairs: Odette Scharenborg & Tunga Gi		
14:00-14:20	Fernando Garcia Granada, Emilio Sanchis, Maria Jose Castro, José Ángel González Barba and Lluís-F. Hurtado	Word discovering in low-resources languages through cross-lingual phonemes	
14:20-14:40	Ludwig Kürzinger, Tobias Watzel, Lujun Li, Robert Baumgartner and Gerhard Rigoll	Exploring Hybrid CTC/Attention End-to- End Speech Recognition with Gaussian Processes	
14:40-15:00	Injy Hamed, Moritz Zhu, Mohamed Elmahdy, Slim Abdennadher and Ngoc Thang Vu	Code-switching Language Modeling With Bilingual Word Embeddings: A Case Study for Egyptian Arabic-English	
15:00-15:20	Laszlo Toth and Gábor Gosztolya	Reducing the Inter-Speaker Variance of CNN Acoustic Models using Unsupervised Adversarial Multi-Task Training	
15:20-15:40	Arda Akdemir and Tunga Güngör	A Detailed Analysis and Improvement of Feature-based Named Entity Recognition for Turkish	
15:40-16:00	Nikita Markovnikov and Irina Kipyatkova	Investigating Joint CTC-Attention Models for End-to-End Russian Speech Recognition	

	Kriton Curi Hall	
10:30-12:30	ICR Session 3 Robot control and com Chair: Roman Lavrenov	munication
10:30-10:50	Milica Petkovic and Milan Narandzic	Overview of UAV Based Free-Space Optica Communication Systems
10:50-11:10	Siva Ariram, Juha Röning and Zdzisław Kowalczuk	Implementation of Control System and Tracking Objects in a Quadcopter System
11:10-11:30	Konstantin Yakovlev, Anton Andreychuk, Julia Belinskaya and Dmitry Makarov	Combining Safe Interval Path Planning and Constrained Path Following Control: Preliminary Results
11:30-11:50	Duygu Atcı, Efecan Akdal, Fatih Cemal Can and Erkin Gezgin	Trajectory Planning of a PRR Redundant Serial Manipulator for Surface Finishing Operations on Plane
11:50-12:10	Evgeni Denisov, Artur Sagitov, Roman Lavrenov, Kuo-Lan Su, Mikhail Svinin and Evgeni Magid	DCEGen: Dense Clutter Environment Generation Tool for Autonomous 3D Exploration and Coverage Algorithms Testing
12:10-12:30	Nail Akçura, Aytaç Kahveci, Levent Çetin, Abdulkareem Alasli, Fatih Cemal Can, Erkin Gezgin and Özgür Tamer	Close-Loop Control of Microrobot within a Constrained Environment Using Electromagnet Pairs
12:30-14:00	Lunch break	
14:00-16:00	ICR Session 4 Human-Robot Interacti Chair: Roman Meshcheryakov	on
14:00-14:20	Yin Shuai and Arkady Yuschenko	Application of Convolutional Neural Network to Organize the Work of Collaborative Robot as a Surgeon Assistan
14:20-14:40	Rinat Galin and Roman Meshcheryakov	Review on Human-Robot Interaction during Collaboration in a Shared Workspace
14:40-15:00	Vladimir Vishnevsky and Roman Meshcheryakov	Experience of Developing a Multifunctions Tethered High-Altitude Unmanned Platform of Long-Term Operation
15:00-16:00	Speed session, poster briefs	

	Albert Long Hall				Kriton Curi Hall	
16:00-16:30	Coffee break		16:	:00-16:30	Coffee break	
16:30-17:50	SPECOM Session 5 Sign Languages a Session Chair: <i>Albert Ali Salah</i>	nd Multimodal Processing	16:	:30-18:00	ICR Poster session	
16:30-16:50	Jan Zelinka, Jakub Kanis and Petr Salajka	NN-Based Czech Sign Language Synthesis			Marzieh Zarinbal, Azadeh Mohebi, Hesamoddin Mosalli, Razieh Haratinik, Zahra Jabalameli and Farnoush Bayatmakou	A New Social Robot for Interactive Query- based Summarization: Scientific Document Summarization
16:50-17:10	Ildar Kagirov, Dmitry Ryumin and Alexandr Axyonov	Method for Multimodal Recognition of One-Handed Sign Language Gestures through 3D Convolution and LSTM Neural Networks			Eugene Larkin, Alexey Bogomolov and Aleksandr Privalov	Discrete Model of Mobile Robot Assemble Fault-Tolerance
17:10-17:30	Marek Hruz, Petr Salajka, Ivan Gruber and Miroslav Hlaváč	Identity Extraction From Clusters of Multi- modal Observations			Sergey Tkalich, Vladimir Medvedev, Valerii Krysanov, Viktor Burkovsky, Viktor Trubetskoy, Aleksander Danilov, Pavel Gusev and Konstantin Gusev	Dynamic Control of the Specialized Handling Robot for Installation of Cross Ties in the Subway
17:30-17:50	Rodmonga Potapova, Vsevolod Potapov, Natalia Lebedeva, Ekaterina Karimova and Nikolay Bobrov	EEG investigation of brain bioelectrical activity (regarding perception of multimodal polycode Internet discourses)			lakov Korovin, Eduard Melnik and Anna Klimenko	The Fog-Computing Based Reliability Enhancement in the Robot Swarm
					Mertcan Koçak, Fatih Cemal Can and Erkin Gezgin	Design of a Graphical User Interface for the Structural Synthesis of Parallel Manipulators with Single Platform
					Nikita Pavliuk, Petr Smirnov, Artem Kondratkov and Andrey Ronzhin	Connecting Gripping Mechanism Based on Iris Diaphragm for Modular Autonomous Robots
					Alexander Denisov, Roman lakovlev and Igor Lebedev	Mathematical and algorithmic model for local navigation of mobile platform and UAV using radio beacons
					Dmitrii Malov, Alexander Edemskii and Anton Saveliev	Architecture of Proactive Localization Service for Cyber-Physical System's Users
19:00-23:00	Gala cruise on the Bosphorus		19:	:00-23:00	Gala cruise on the Bosphorus	

9:00-10:00 Keynote: Odette Scharenborg Chair: Alexey Karpov The Representation of Speech Human and Artificial Brain 10:00-10:30 Coffee break	n in the		
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10:00-10:30 Coffee break			
10:30-12:30 SPECOM Session 6 Speech and Language Resources Chairs: Ebru Arisoy Saraçlar & Liliya Komalova			
10:30-10:50 Dimitar Popov and Velka Popova Corpus study of early Bulgaria onomatopoeias in the terms of			
10:50-11:10 Elena Lyakso, Olga Frolova, Arman Kaliyev, Viktor Gorodnyi, Aleksey Grigorev and Yuri Matveev AD-Child.Ru: Speech Corpus f Children with Atypical Develo			
11:10-11:30 Rodmonga Potapova, Liliya Komalova, Vsevolod Potapov and Andrey Dzhunkovskiy Some Peculiarities of Internet Multimodal Polycode Corpora Annotation			
11:30-11:50 Tatiana Sherstinova, Natalia Bogdanova-Beglarian, Olga Blinova and Gregory Martynenko Pragmatic Markers Distributic Russian Everyday Speech: Fre Lists and Other Statistics for D Modeling	quency		
11:50-12:10 Vass Verkhodanova, Sanne Timmermans, Matt Coler, Roel Jonkers, Bauke de Jong and Wander Lowie How dysarthric prosody impa	cts naive		
12:10-12:30 Liliya Tsirulnik and Shlomo Dubnov Singing Voice Database			
12:30-14:00 Lunch break			
14:00-16:00 SPECOM Session 7 Speaker Recognition Chairs: Oliver Jokisch & Laszlo Toth			
14:00-14:20 Zbynek Zajic, Lucie Zajicova, Josef V. Psutka, Ludek Muller and Petr Salajka Diarization of The Language C	Consulting		
14:20-14:40 <i>Marie Kunesova, Marek Hruz, Zbynek</i> Detection of Overlapping Special Detection Over			
14:40-15:00 Marina Volkova, Tseren Andzhukaev, Galina Lavrentyeva, Sergey Novoselov and Alexander Kozlov Light CNN architecture enhand different types spoofing attack.			
15:00-16:00 Speed session, poster briefs	Speed session, poster briefs		
16:00-16:30 Coffee break	Coffee break		

	Albert Long Hall		
16:30-18:00	SPECOM Poster session 2		
	Daria Pozdeeva, Tatiana Shevchenko and Alexey Abyzov	New Perspectives on Canadian English Digital Identity Based on Word Stress Patterns in Lexicon and Spoken Corpus	
	Jianguo Yu, Konstantin Markov and Alexey Karpov	Speaking Style based Apparent Personality Recognition	
	Evgeny Kostyuchenko, Dariya Novokhrestova, Marina Tirskaya, Alexander Shelupanov, Mikhail Nemirovich-Danchenko, Evgeny Choynzonov and Lidiya Batatskaya	The evaluation process automation of phrase and word intelligibility using speech recognition systems	
	Olga Frolova, Viktor Gorodnyi, Aleksandr Nikolaev, Aleksey Grigorev, Severin Grechanyi and Elena Lyakso	Developmental disorders manifestation in the characteristics of the child's voice and speech: perceptual and acoustic study	
	Boris Lobanov and Vladimir Zhitko	Software Subsystem Analysis of Prosodic Signs of Emotional Intonation	
	Trong The Quan and Mikhail Stolbov	Dual-microphone Speech Enhancement System Attenuating Both Coherent and Diffuse Background Noise	
	Nuzhah Gooda Sahib-Kaudeer, Baby Gobin-Rahimbux, Bibi Saamiyah Bahsu and Maryam Farheen Aasiyah Maghoo	Automatic Speech Recognition for Kreol Morisien: A Case Study for the Health Domain	
	Eman Mansour, Rand Sandouka, Dima Jaber and Abualseoud Hanani	Speech-based Automatic Assessment of Question Making skill in L2 Language	
	Oleg Akhtiamov, Dmitrii Fedotov and Wolfgang Minker	A Comparative Study of Classical and Deep Classifiers for Textual Addressee Detection in Human-Human-Machine Conversations	
	Ghania Droua-Hamdani	Classification of Regional Accent using Speech Rhythm metrics	
	Ulyana Kochetkova	Svarabhakti Vowel Occurrence and Duration in Rhotic Clusters in French Lyric Singing	
	Aleksandar Živanović, Vlado Delic, Siniša Suzić, Ivana Sokolovac and Maja Marković	Re-Evaluation of Words Used in Speech Audiometry	
18:00-18:20	Closing Ceremony		

Venue

The joint SPECOM and ICR conferences will be held in the Albert Long Hall of Boğaziçi University, Güney Kampüs, 34342, Bebek, Istanbul, Turkey. ICR sessions will be in Kriton Curi Hall in the same building. Poster sessions will be held in the foyer of the Albert Long Hall. All coffee breaks will be in the conference foyer, and the lunches are provided in front of the Albert Long Hall. Vegetarian/vegan options are provided.

Boğaziçi University's history goes back to 1863, to the founding of Robert College. In September 1971, the Turkish government established an independent university as a successor to Robert College on the campus of 118 acres, taking over buildings, the library, laboratories and all facilities and personnel. More details available at: http://www.boun.edu.tr/en-US/Content/About_BU/History

Albert Long Hall was the second academic building of Robert College, completed in 1892. Initially it was called Science Hall but, after the death of Albert Long, who had served the College from 1872 until 1901 as natural history professor, it was renamed Albert Long Hall. One of the five most famous organs of the world, donated by Mr. Cleveland H. Dodge in 1914, is housed on this floor, and can be seen during SPECOM sessions. The Kriton Curi Hall, with 86 people capacity, is next to the Albert Long Hall. Kriton Curi (1942-1996) was born in Istanbul, and was a Professor and faculty member of the Civil Engineering department at Boğaziçi University. He has contributed greatly to the protection of environment and education of the public on environmental consciousness.



Social Events

All conference participants are invited to join the **Welcome Reception** that will be held in the garden of the Kennedy Lodge on Wednesday, 21 August 2019. The reception ticket is included in each registration. Additional guest tickets can be obtained from the conference office. The Kennedy Lodge was built in 1891, as a house for the President of the College, with a marvelous view of the Bosphorus. Today the ground floor is used as dining-room for teachers, the upper floors as a guest house and the basement as a restaurant. Furthermore, all kinds of social gatherings are held here.

All conference participants are welcome to participate in the **Gala Dinner** that will be held on Thursday, 22 August 2019 on a boat cruising the Bosphorus. The dinner ticket is included in each registration. Additional guest

tickets can be obtained from the conference office.

Conference participants and accompanying persons are invited to join the Day Tour on Saturday, 24 August 2019 to the historical part of Istanbul. The tour will start with the Roman Hippodrome, where the chariot races were organised by the Romans and Byzantines. Blue Mosque, the German Fountain - a gift of Kaiser Wilhelm 2, Hagia Sophia - The Church of Divine Wisdom, the Grand Bazaar, Topkapı Palace Museum, Hagia Irene Church (outside), Caferaga Medrese and Sogukcesme Street will be visited. Tickets can be ordered through the electronic registration system. Finally, there will be a BURC Beach trip to the seaside campus of the university on 25 August, Sunday. Details will be announced during the confer-





Network Access

Boğaziçi University is a partner of the Eduroam network. If your institution has access, you can directly log in to the Eduroam network. Additional Eduroam-guest access will be provided by the university, using the e-mail addresses submitted during registration. If you experience problems with Wireless connection, please contact the conference registration desk.

NOTES	NOTES

Organisers









Supporting Partners





Sponsoring Partners





Contact

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