## Section Bulgaria

**Valentina Markova**

### Section Vitality

1. the date of last Section elections

Bulgarian IEEE Section ExCom Election 17 December 2020 03:00 PM - 30 December 2020 11:59 PM

Our new Section Chair was treasurer for the previous two terms.

The newly Elected volunteers term ends on 31 Dec 2022.

Due to COVID-19 Section ExCom hasn't met until now.

We organized online campaign to encourage people from university and industry to become or retain IEEE members.

Please provide information about the date of last Section elections, date of next elections, and do you have the practice of Vice-Chair becoming the next Section Chair. Section ExCom meetings (list them and provide brief summary if appropriate). List the activities carried out to retain and recruit members and the results obtained.

### Students

List of Student Branches (SB) in Bulgaria Section:

STB36211 - Technical University of Varna

STB36221 - Technical University of Sofia

STB60691 - Natl Military Academy Vasil Levski

List of activities:

1. Cadets and students of IEEE SB of the National Military Academy “Vasil Levski”, Faculty of Artillery, Air-Defense and CIS have celebrated the John Atanasoff birth’s day (04.10) and the World IEEE day (06.10) with a social meeting, devoted to the IEEE role for improvement of all people life around the world.

2. Workshop “Artificial intelligence and data set preparation”, 10.11. 2020 - 11.11.2020., Shumen, Bulgaria

### Affinity Groups

We have one Affinity Group - YP80075 - Bulgaria Section Affinity Group, YP

No activity since Oct. 2020

### Chapters

List of Chapters and SB Chapters in Bulgaria Section:

CH08200 - Bulgaria Section Jt. Chapter, AP03/ED15/MTT17/EP21

CH08254 - Bulgaria/Rep of Macedonia Jt. Sect. Chapter, SP01

CH08266 - Bulgaria Section, CAS04/SSC37

CH08271 - Bulgaria Section Chapter, C16

CH08292 - Bulgaria Section Joint Chapter, IM09/CS23/SMC28

CH08298 - Bulgaria Section Chapter, COM19

CH08363 - Bulgaria Section Joint Chapter, ED15/SSC37 Varna

CH08438 - Bulgaria Section Chapter, RA24

CH08451 - Bulgaria Section Chapter, CIS11

All Chapters in Bulgaria Section reported on time.

List of activities since the last meeting reporting (Oct 2020).

1. **2020 28th National Conference with International Participation (TELECOM),** 29.10.2020-30.10.2020, remote participation

2. **2020 International Conference Automatics and Informatics (ICAI),** 01.10.2020 – 03.10.2020, Varna, Bulgaria

3. **Dedicated session** at XIIITH National Medical Physics and Biomedical Engineering Conference 2020, 01.11.2020, Plovdiv, Bulgaria

4. **Intelligent Systems: A Non-classic Logic Methods and Applications**, *invited speaker acad. V. Sgurev*, 03.12.2020, Sofia, Bulgaria, hosted by Bulgaria Section Chapter CIS11

5. **Preventive Smart Services in Wildfire Management**, Virtual conference session on IoT scenarios in wildfire management, 01.12.2020 -02.12.2020

**Activity 1:**
**28th National Conference with International Participation "TELECOM 2020",**
**IEEE Conference record # 50385**
**29 - 30 October 2020 at the National Center of Science and Technology (NCST) – Sofia, 108 Rakovski St., BULGARIA and remote participation**

***Conference information:***

Organizers: Federation of the Scientific-Technical Unions in Bulgaria (FNTS), Union of Electronics, Electrical Engineering and Telecommunications (CEEC), Ministry of Transport, Information Technology and Communications, Communications Regulation Commission, Technical University of Sofia (TU-Sofia), Faculty of Telecommunications – TU Sofia, French Faculty of Electrical Engineering - TU-Sofia, Union of Scientists in Bulgaria, Telecommunications Association (ASTEL). The Bulgarian IEEE section has been a traditional supporter of TELECOM, along with the Organizers.

TELECOM is an annual national scientific-technical conference with international participation covering a wide range of topics in the area of state-of-the-art communication systems and networks – from the latest innovations and technical achievements to their successful practical implementation. The aim of the Conference is to create conditions, opportunities, and help the experts and specialists in different telecommunication fields to exchange ideas, knowledge, and technical expertise. The discussions will contribute to the creation of new ideas and innovation trends in the development of the telecommunications in Bulgaria.

Conference topics include: Telecommunication Networks. Cloud Computing and Communications. Network Functions Virtualization, Intelligent Transport Systems. Optical Communications, Wireless Systems - 5G, Mobile and Satellite Communications, Wireless Access, Cognitive Radio, Software Defined Networks. Big Data Networking, Teletraffic Engineering. Quality Of Service (QoS), Internet of Things (IoT). Smart Home And Cities. eHealth. Better Living with ICT, Communication Issues, Supercomputers, Artificial Intelligence, Machine Learning, Communication Circuits, Signals and Systems. Image and Voice Processing and Coding, Electronic Communications, Policies and Regulations. Digital Switchover, E-Governance, Cybersecurity, Economics and Marketing of Electronic Communications, Postal and Delivery Services, Education in the Field of Telecommunication

Chairman of the Organizing Committee - Plamen Vachkov, email: pvatchkov@gmail.com

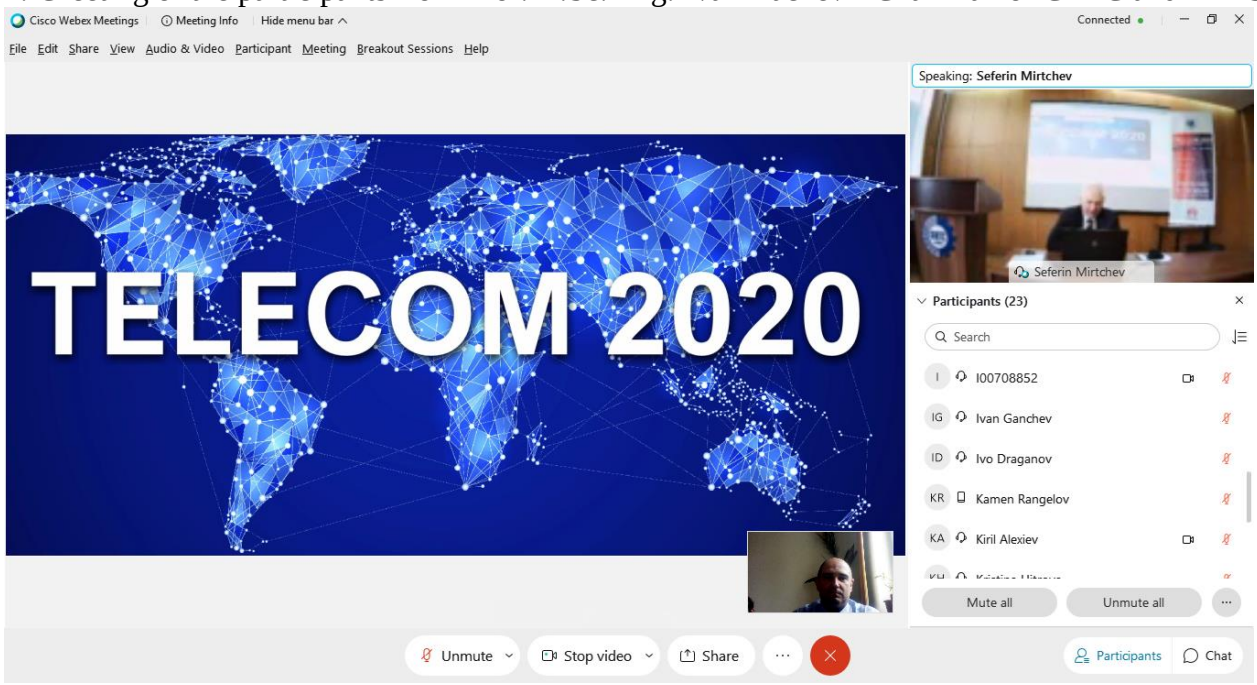
***Dates:***
The conference took place as scheduled on **29-30 September 2020**, but due to the coronavirus epidemic it took place via remote participation using Webex conference software.

***Participants:***
The total number of participants was 60.
40 scientific articles were presented. These articles are published in IEEE Xplore Digital Library.

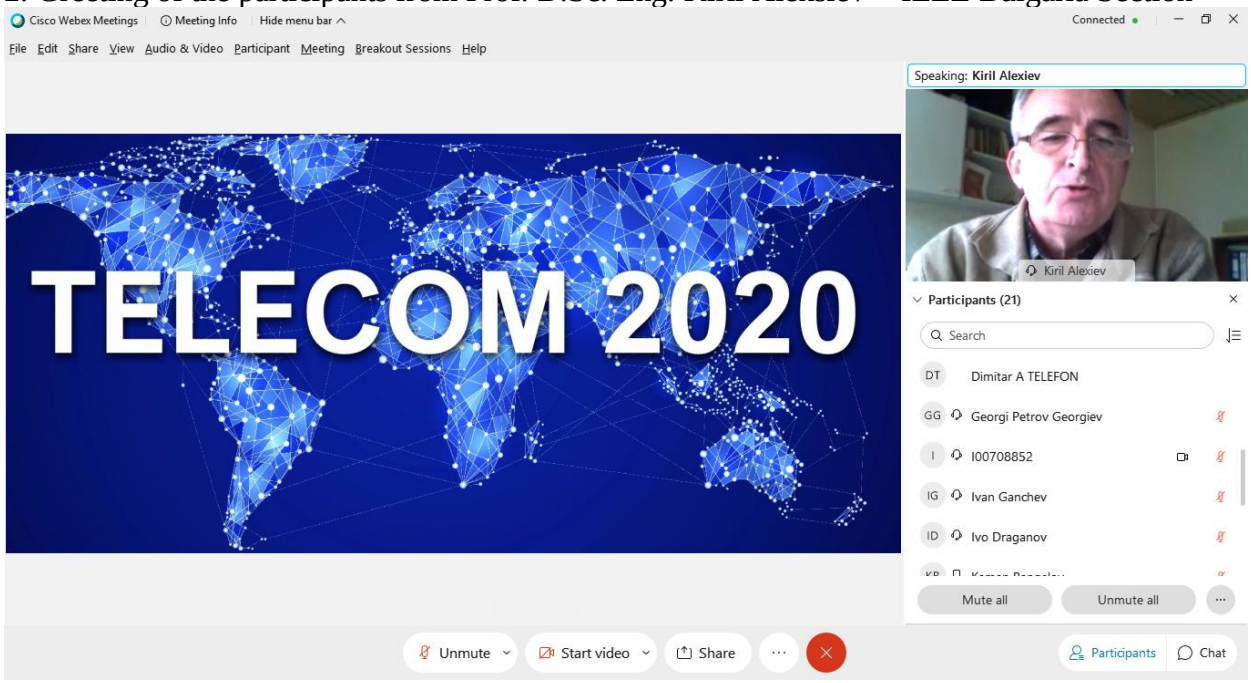
***Websites:***
http://e-university.tu-sofia.bg/e-conf/?konf=37
http://ceec.fnts.bg/telecom/2020/information.html

***Photos:***

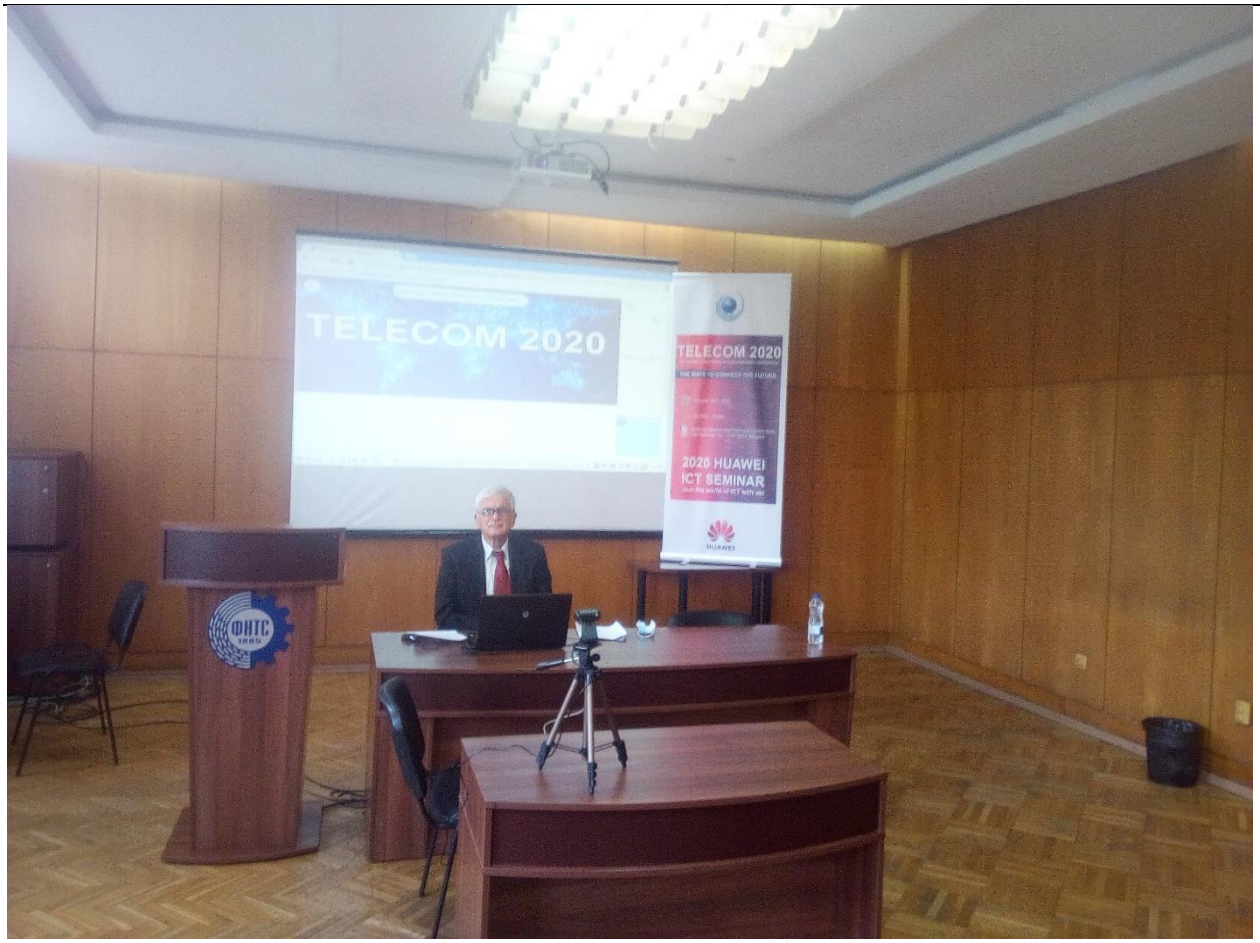
1. Greeting of the participants from Prof. D.Sc. Eng. Ivan Yachev - Chairman of CEEC and FNTS



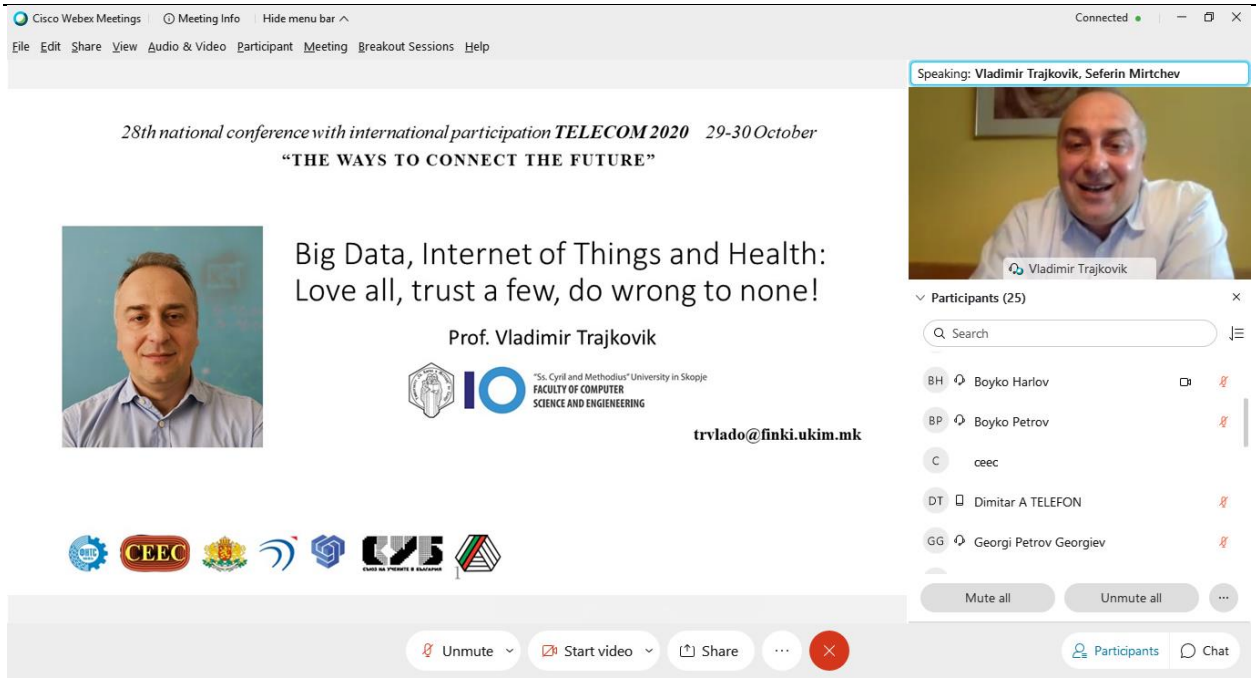

2. Greeting of the participants from Prof. D.Sc. Eng. Kiril Aleksiev - IEEE Bulgaria Section




4. Greeting of the participants from Assoc. Prof. Eng. Plamen Vachkov - Chairman




5. Conference presentations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28th national conference with international participation TELECOM 2020 29-30 October
"THE WAYS TO CONNECT THE FUTURE"
Big Data, Internet of Things and Health:
Love all, trust a few, do wrong to none!
Prof. Vladimir Trajkovik
"Ss. Cyril and Methodius" University in Skopje
FACULTY OF COMPUTER SCIENCE AND ENGIENEERING
trvlado@finki.ukim.mk
Speaking: Vladimir Trajkovik, Seferin Mirtchev
Vladimir Trajkovik
Participants (25)
Search
Boyko Harlov
Boyko Petrov
ceec
Dimitar A TELEFON
Georgi Petrov Georgiev
Mute all
Unmute all
Unmute
Start video
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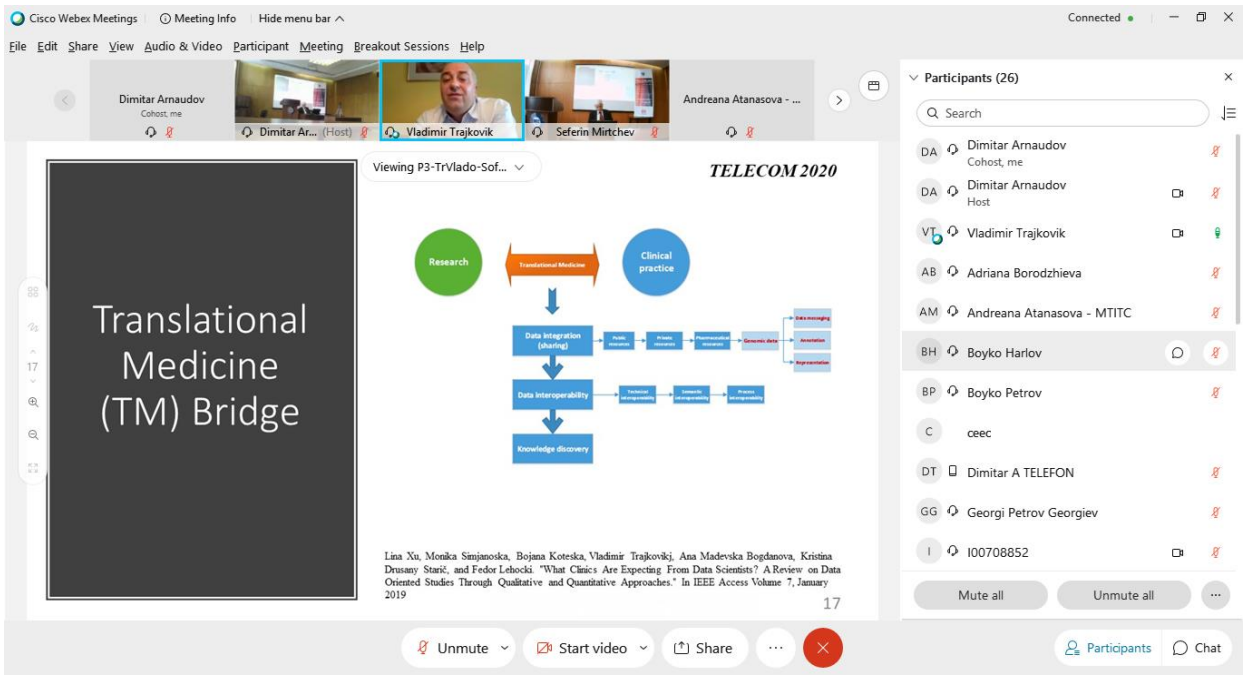
Participants
Chat


Cisco Webex Meetings
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Connected
Dimitar Arnaudov
Cohost, me
Dimitar Ar... (Host)
Vladimir Trajkovik
Seferin Mirtchev
Andreana Atanasova - ...
Viewing P3-TrVlado-Sof...
Translational Medicine (TM) Bridge
TELECOM 2020
Research
Translational Medicine
Clinical practice
Data integration (sharing)
Data interoperability
Knowledge discovery
Lina Xu, Monika Simjanoska, Bojana Koteska, Vladimir Trajkovikj, Ana Madevska Bogdanova, Kristina Drusany Starič, and Fedor Lehocki. "What Clinics Are Expecting From Data Scientists? A Review on Data Oriented Studies Through Qualitative and Quantitative Approaches." In IEEE Access Volume 7, January 2019
17
Participants (26)
Search
Dimitar Arnaudov
Cohost, me
Dimitar Arnaudov
Host
Vladimir Trajkovik
Adriana Borodzhieva
Andreana Atanasova - MTITC
Boyko Harlov
Boyko Petrov
ceec
Dimitar A TELEFON
Georgi Petrov Georgiev
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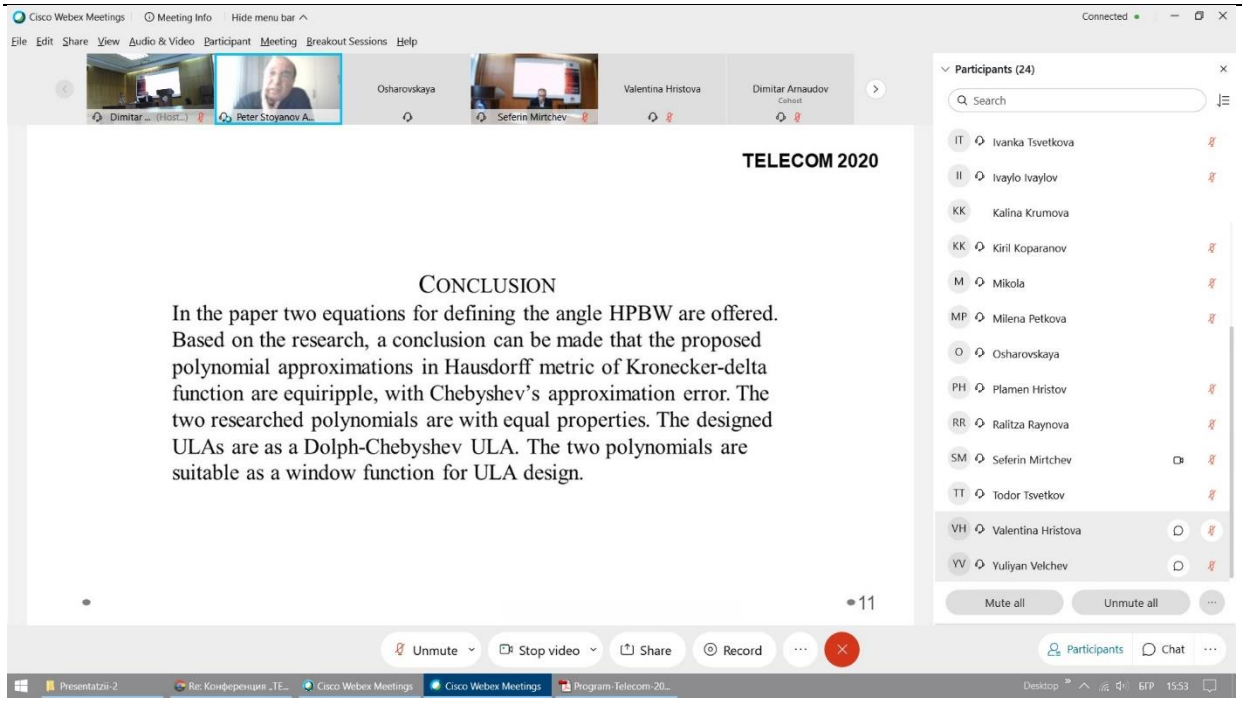
Mute all
Unmute all
Unmute
Start video
Share
Participants
Chat




5. Conference closing ceremony

Activity 2

**2020 International Conference Automatics and Informatics (ICAI), 01.10.2020 – 03.10.2020, Technical University of Varna, Varna, Bulgaria**

***Conference information:***

The International Conference Automatics and Informatics traditionally is held under the patronage of the President of the Republic of Bulgaria during the John Atanasoff days in October every year. The conference has more than 50 years of history and has significantly contributed to the development of automation and computer technology in Bulgaria. For the 2020th the organizers are the John Atanasoff Society of Automatics and Informatics, Federation of the Scientific Engineering Unions in Bulgaria and Technical University of Varna. The conference program includes: Plenary session, Invited symposia and Workshops, Scientific sessions, Young researchers school, Poster session and Company presentations and Exhibitions. In contract with John Atanasoff Society of Automatics and Informatics – IEEE.

***Participants:***

The total number of participants was 110.
100 scientific articles were presented. These articles are published in IEEE Xplore Digital Library.

***Websites:***

http://www.tu-varna.bg/icai