"ANGEL KANCHEV" UNIVERSITY OF RUSE
UNION OF SCIENTISTS - RUSE

27-28.10.2017

56th Annual Science Conference of Ruse University

INDUSRTRY 4.0. BUSINESS ENVIRONMENT. QUALITY OF LIFE.

SCHEDULE

26.10.2017

after 14:00 — **Registration** - room1.311
17:00 - 19:00 — **Parallel scientific events: Round table "Key national opportunities in the system for higher education, related to the seven fields of HEInnovative"** - Kaneff Centre, Room 1
19:30 - 20:30 — **Parallel scientific event: "The Art Hour initiative of the Institute for Art Research - BAS visits the University of Ruse": Musician lecturers present "Sketches of XX and XXI c. music for flute and piano" – Petya Stefanova, PhD and Polina Antonova, PhD** – Grand Lecture hall 2.101, Building 2

27.10.2017

08:30 - 09:00 — **Registration** - room1.311
09:00 - 11:00 — **Parallel scientific events: International mathematical workshop "NODDEA'2017", dedicated to the 65th anniversary of prof. Stepan Terzian**
11:00 - 11:20 — **Opening Ceremony** - Kaneff Centre, Grand Hall
Key note address by Co-chairs:
Prof. Velizara Pencheva, PhD - RECTOR of the UR,
Prof. Hr. Beloev, DTSc, COR MEM - CHAIRPERSON of the US,
Mariya Gabriel, COMMISSIONER (2017-2019) Digital Economy and Society
11:20 - 13:30 — **Plenary session** - Kaneff Centre, Grand Hall
14:00 - 18:30 — **Section meetings**
19:30 — **Scientists Gala** - "Riga"

28.10.2017

09:00 — **Section meetings**
Optional: Excursion for the international participants of the Conference

29.10.2017

09:15 - 18:00 — **Parallel scientific event: EDIT on the ROAD with Google: "Google Growth Engine – Digital instruments to support the development of markets and competitiveness"** – Siemens lecture hall, Building 2.

KEY SPEAKERS

Prof. ROUMIANA TSENKOVA, KOBE UNIVERSITY, JAPAN
VIS. PROF. - MEDICAL FACULTY OF KEIO UNIVERSITY IN TOKYO

AQUAPHOTOMICS: NEW TECHNOLOGY

Roumiana Tsenkova was born in Ruse. He graduated the Baba Tonka Mathematical School in Ruse and Automation at the University of Ruse in 1978. He defended his engineering thesis in the field of Near Infrared Spectroscopy under the guidance of Professor NI Kirilin of the Moscow Academy of Agricultural Sciences. She worked as an assistant and associate professor at the University of Ruse before winning the Japan Scholarship.
Since 1990, she has been in Japan where she defends her second degree in agriculture at the Hokkaido University, and since 1996 she has been appointed associate professor at Kobe University, where in 2006 she became a professor and founded the first biomedical engineering laboratory at a Japanese university. Currently she is a visiting professor at the Medical Faculty of Keio University in Tokyo. He is the winner of the World's Wide-Infrared Spectroscopy World Prize and the "Japan's Near Infrared Spectroscopy" Award.
In 2005, Rumyana Tsenkova offered the creation of a new science - "aquaphotomics", as a holistic, summarizing science for all "-omix" disciplines.

Dr. IVAN MINEV, TECHNISCHE UNIVERSITÄT DRESDEN, GERMANY

THERAPEUTIC APPLICATIONS OF BIOELECTRONIC IMPLANTS

- *Born in Ruse, Bulgaria, in 1983. Studied at the English Language School "Geo Milev"*
- *Attended after school classes for students interested in science and technology in Ruse*
- *Studied at Imperial College London where he graduated in 2008 with a degree in Physics*
- *Obtained a doctorate from the University of Cambridge at the Department of engineering in 2012.*
- *Between 2012 and 2016 was a post-doctoral researcher at École Polytechnique Fédérale de Lausanne (EPFL), where he was developing neuro-electronic implants.*
- *Since 2016, he heads the "Electronic Tissue Technologies" laboratory at Technische Universität Dresden, Germany.*

Liviu POPESCU, RENAULT TECHNOLOGIE ROUMANIE

AUTOMOTIVE SYSTEMS ENGINEERING

Liviu POPESCU obtained an engineering degree from both Polytechnic University of Bucharest (Romania) and Ecole Supérieure d'Electricité (Supélec) in Paris (France). After acquiring his first years of working experience in software development and telecommunications field, he completed a post master degree in management, in Paris (France). Then he started working in automotive industry advancing through different management positions, managing transversal projects and having administrative responsibilities. He has accumulated a valuable and outstanding technical and management expertise in area of vehicles development and industry trends (Electric, Connected and Autonomous vehicles), understanding the business, financial decision-making process, business challenges to create and sell solutions in accordance with the client's value drivers. He is able to provide technical lead in developing the business opportunities.

ORGANISATION COMMITTEE:
Chairpersons:
Prof. Velizara Pencheva, PhD – Rector of UR
COR. MEM Prof. Hristo Beloev, DTSc – Chairperson of US - Ruse
Scientific Secretary:
Prof. Diana Antonova, PhD – Vice Rector Research
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