

19 April 2018 (Arrival in Skopje)18:00-18:30 **Registration** (foreign guests)**18:30-19:00 OPENING CEREMONY (Skopje)**

- **Prof. Dr. Taki Fiti**
President of Macedonian Academy of Sciences and Arts
- **Prof. Dr. Renata Deskoska**
Minister for education and science of R. Macedonia
- **Mr. Thomas Gerberich**
Ambassador of Germany in R. Macedonia
- **Prof. Dr. Nikola Jankulovski**
Rector of the University "Ss Cyril and Methodius" in Skopje
- **Prof. Dr. Блазо Боев**
Rector of the University "Goce Delcev" in Stip

19:00 **Prof. Dr. Valentin Mirceski**
President of the Humboldt and DAAD Club-Macedonia
ALEXANDER VON HUMBOLDT FOUNDATION

19:30 **Welcome reception****20 April 2018**

9:00-12:00 *Travel from Skopje to Ohrid*
12:00-13:00 **Registration** (participants from Macedonia)
13:00-14:00 *Lunch*

14:00 WORKING PROGRAMME (Ohrid)

Chair: Prof. Dr. Valentin Mirceski
President of the Humboldt and DAAD Club-Macedonia

14:00 **Prof. Dr. Elena Dumova** (former vice-rector) (Macedonia)
Academic cooperation between Macedonia and Germany

Session 1**HUMBOLDT COMMUNITY: CONTRIBUTIONS, EXPERIENCES, CHALLENGES**

(Presidents or representatives of the association)

14:30 **Prof. Dr. Giacomo de Angelis** (Italy)
A bridge between the two shores of the Mediterranean: the Humboldt Alumni Network

14: 50 **Prof. Dr. Ilza Pajeva** (Bulgaria)
Humboldt Union in Bulgaria: achievements and perspectives

15:10 *Coffee break*

15:30 **Prof. Dr. Jasmina Markovic-Lipkovski** (Serbia)
Alexander von Humboldt Club of Serbia in the past 25 years

15:50 **Prof. Dr. Marwan Moussa** (Jordan)
Humboldt alumni association of Jordan

16:10 **Prof. Dr. Mile Ivanda** (Croatia)
Small countries in the processes of science globalization

17:00 *Walking tour: sightseeing of Ohrid*

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Session 2

SCIENTIFIC CONTRIBUTIONS OF HUMBOLDTIANS AND THEIR COLLEAGUES

Chair: **Prof. Dr. Marwan Moussa**

9:00 **Prof. Dr. Pance Naumov** (Macedonia)
The Global Network University (GNU) model: Opportunities for internationalization of the science and education in the Balkan countries.

9:20 **Prof. Dr. Vladimir Ivanovski** (Macedonia)
Why would Alexander von Humboldt foundation support vibrational spectroscopy investigations?

9:40 **Prof. Dr. Rubin Gulaboski** (Macedonia)
The power of voltammetry

10:00 **Prof. Dr. Zlatko Levkov** (Macedonia)
Why Lake Ohrid is unique and important to be protected? Case studies on diatoms

10:20 **Prof. Dr. Lora Taseva** (Bulgaria)
Die Übersetzung als Herausforderung: antike Motive und Realien im südslavischen Mittelalter

10:40 *Coffee break*
Chair: **Prof. Dr. Giacomo de Angelis**

11:00 **Prof. Dr. Al Soud Yaseen** (Jordan)
1,2,4-Triazole derivatives as 17beta-hydroxysteroid dehydrogenase type 2 (17beta-HSD2) inhibitors for the treatment of osteoporosis

11:20 **Prof. Dr. Gordana Jovanović** (Serbia)
Psychological challenges of liberalism and communitarianism

11:40 **Prof. Dr. Ildiko Tulbure** (Romania)
Methods for Shaping Sustainable Energy Strategies

12:00 **Prof. Dr. Jasminka Hasanbegovic** (Serbia)
On some (un)changing images of judge's role

12:20 **Prof. Dr. Silvana Simoska** (Macedonia)
The Humboldtian model of higher education and languages in the Balkan and EU context

12:40 **Ass. Prof. Svemir Gorin, Ass. Prof. Ivan Radevski** (Macedonia)
Alexander von Humboldt contribution to the development of geographical science

13:00 *Lunch*

Session 3

FROM THE PERSPECTIVE OF GERMAN HOSTS

Chair: **Prof. Dr. Rubin Gulaboski**

15:00 **Prof. Dr. Eva Hey-Hawkins** (Germany)

- 15:20 *MatCatNet - A Catalyst for South Eastern Europe*
Prof. Dr. Fritz Scholz (Germany)
Ostwald and his influence on physical chemistry worldwide
- 15:40 **Dr. Reinhard Kappl** (Germany)
On the redox reactions of biological substances: a voltammetric and ESR-spectroscopic approach
- 16:00 **Dr. Gudrun Scholz** (Germany)
Mechanochemistry – Past, Present and Future
- 16:20 **Dr. Monika Bozem** (Germany)
Electrochemical measurements to elucidate ROS regulation of the immune response

20:30 **CONCERT: TRADITIONAL MUSIC OF MACEDONIA** (Ohrid-Gardenia)
Art Band: *Chalgia Sound System*

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Chair: **Prof. Dr. Valentin Mirceski**

- 9:30 **Academician Prof. Dr. Gligor Jovanovski** (Macedonia)
Mineral wealth of Macedonia

Session 4

COOPERATION IN THE REGION AND FUNDING OPPORTUNITIES

Chair: **Prof. Dr. Vladimir Ivanovski**

- 10:00 **Prof. Dr. Zoran Hadzi-Velkov** (Macedonia)
Young scholars as a driving force of the society
- 10:20 **Prof. Dr. Marina Foschi** (Humboldt Foundation's Ambassador Scientist in Italy)
Connecting the Balkans and Mediteranian regions (Italy)
- 10:40 **Dr. Thomas Mayerhöfer** (Germany)
The role of European technology platforms on the example of Photonics21 in shaping Horizon2020 and the upcoming 9th research framework programme
- 11:30 **Prof. Dr. Fetah Podvorica** (Kosovo)
The importance of international mobility for PhD students
- 11:50 *Coffee break*

Session 5

RESEARCH PROSPECTIVE AND YOUNG SCIENTISTS

Chair: **Prof. Dr. Zoran Hadzi-Velkov**

- 12:10 **Korte Mareike** (DAAD lector assistant in R. Macedonia) (Germany)
DAAD Funding Opportunities
- 12:30 **Dr. Kai Exner** (Germany)
Method Development in (Theoretical) Electrochemistry
- 12:50 **Prof. Dr. Avni Berisha** (Kosovo)
Shedding light on the mechanism leading to the spontaneous grafting of gold surfaces by diazonium salts. An experimental and "ab into" study.
- 13:10 **Dr. Daniel Velinov** (Macedonia)
Generalized semigroups of operators and its applications

13:00 Lunch

Chair: **Dr. Natasa Markovska**

14:30 **Ass. Prof. Biljana Stojkoska** (Macedonia)

Smart City in the Internet of Things era

14:50 **Ass. Prof. Aleksandar Gjurchinovski** (Macedonia)

Controlling chimera patterns in complex dynamical networks with time delays

15:10 **Ass. Prof. Bisera Kostadinovska Stojchevska** (Macedonia)

Cognitively-oriented curriculum with the purpose of overcoming the dyslexic issue in the teaching process in the R. of Macedonia

15:30 **POSTER PRESENTATIONS**

Natasa Markovska

Solar energy in the national low carbon development pathways – the case of Macedonia

Oliver Tusevski

*Genetic transformation of *Hypericum perforatum* L.: a biotechnological tool for production of phenolic compounds with promising biological activities*

Aleksandra Ivanoska-Dacikj, Gordana Bogoeva-Gaceva

Hybrid rubber composites with tailored energy dissipation suitable for base seismic isolation

Emilija Gjorgieva, Emil Popovski, Bozana Mikhova

Synthesis of novel phthalimidomethyl derivative of pipemidic acid

Jihe Zhu, Blagica Arsovska, Kristina Kozovska

Acupuncture treatment for lumbar disc herniation

Jovica Todorov, Valentin Mirceski

Study of gold-prussian blue nanocomposite at the interface of two immiscible liquids

Saska Grujovska

Modal verbs as evidentiality markers in Macedonian and in German

Tatjana Ilievska, Ljupco Pejov

Anharmonic OH(D) stretching vibrations of phenol in the ground and excited electronic states: a theoretical time-dependent DFT approach

Viktorija Blazheska

Consume the white noise: the supermarket as identity and religion in Andrej Blatnik's "Change me"

Kosta Najkov, Leon Stojanov, Valentin Mirceski

Square-wave voltammetric study of blood serum of laboratory mice fed with electrolyzed reduced water

Marjan S. Randjelović, Milan Z. Momčilović, Valentin Mirčeski

Pt- and Ag-supported carbon microspheres as hydrogen peroxide electrocatalysts

Milena S. Kolevska, Vasko Aleksovski, Kiro Stojanoski

Spectral editing methods in brain metabolite quantitation

Katarina Josifovska, Zoran Zdravkovski, Ljupco Pejov

Density functional tight binding molecular dynamics simulations of bisphenol A and its silylated derivative with the atom-centered density matrix propagation scheme

A. Aleksovska and E. Hey-Hawkins

π -Conjugated ligands for photoactive metal-organic frameworks

16:30 *Free afternoon
(optional) Visit of the monastery complex "St. Naum" and the spring of river Crn Drim*

20:30 *Gala Dinner*

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Session 6

DEBATE AND CONCLUSIONS

10:00 **Round-table discussion**
The role of science and research for sustainable development of the Balkan region: Regional cooperation of Humboldtians and networking

Moderators:

Prof. Dr. Valentin Mirceski

President of the Humboldt and DAAD Club-Macedonia

Prof. Dr. Zoran Zdravkovski

President of the Society of Chemists and Technologist of Macedonia

Mrs. Katrin Fruehinsfeld

Head of the Department of Culture - German embassy in Macedonia

11:30 **Conclusions and closing remarks**

12:00 *Lunch*

13:30 *Travel to Skopje*