

Závěrečná zpráva o řešení projektu za rok 2018 a 2019

Programový projekt AKTION

AKTION Česká republika - Rakousko

Dům zahraničních služeb, Na Poříčí 1035/4, 110 00 Praha 1, Tel. +420 221 850 506, 602 169 216, web: www.dzs.cz , e-mail: aktion@dzs.cz

Partnerská země: Rakousko	
Číslo projektu: 83p1	
Název projektu: 9. bilaterální česko-rakouský odborný seminář: Nové trendy ve foto a elektro katalýze Project title: 9th bilateral Czech-Austrian scientific workshop: New trends in photo and electro catalysis	
Řešitel projektu v ČR: Prof. Dr. Ing. Josef Krýsa	Řešitel v partnerské zemi: Assoc. Prof. Dr. Guenter Fafilek

Dosažené výsledky – plnění cílů projektu (the project results):

The 9th Czech - Austrian workshop „New trends in application of photo and electro photocatalysis“ was a successful continuation of the conference series organized jointly by University of Chemistry and Technology, Prague and Vienna University of Technology.

The Workshop program was finalized before the start of the workshop in cooperation with partner institution in Austria (**enclosed as Annex I**). Workshop was held four days from **20th May - 23rd May 2019 in Hnanice (Czech Republic)**. **The planned number of participants from Austria was 9 and from Czech Republic 25. Finally, there were more attendees of the workshop (listed in Annex I) – 3 AT, 2 CZ, 3 SK, whose expenses were not paid by the fund of program AKTION.**

The topic was focused to the recent advances of photoelectrocatalysis and electrochemistry in respect to their application in environment cleaning and alternative energy production. The workshop was attended by new undergraduate and PhD students enrolled at UCT Prague in 2018.

It is possible to say that similarly as previously workshops also the 9th workshop represented all positive aspects of a small specialised international conference. Participants were from **six Czech institutions**: University of Chemistry and Technology, Prague, Jaroslav Heyrovsky Institute of Physical Chemistry, ASCR, Institute of Chemical Process Fundamentals, ASCR, Faculty of Chemical Technology, Technical University Brno, Institute of Physics AS CR, Technical University Ostrava and from two Austrian institutions: Vienna University of Technology and University of Salzburg. Beside mentioned institutions there were 3 participants from Slovak University of Technology in Bratislava.

The objective of the workshop was to further intensify the exchange of experience and new ideas in the field of semiconductor photocatalysis, EPR spectroscopy, dye sensitised solar cells, electrochemically prepared self organised structures, AOP for water treatment, fuel cells, electrochemical engineering and modelling of electrochemical processes. Workshop was especially useful for students, for most of them it was one of the first opportunities to present their results at the international forum. All contributions were well accepted and appreciated, and the discussions among the participants were found beneficial.

In the project application it was planned to publish the Proceedings of the 9th Czech-Austrian workshop. Proceedings were printed in May 2019.

The template of Proceedings contributions (1 page abstracts) was created and together with Workshop program was then send to all the participants. Participants were then asked to send their contributions in March 2019. 29 contributions of presenting authors to Proceedings were received. First of all submitted abstracts of presentations were edited from scientific point of view. Some

abstracts were returned to authors for revisions. Then the language of all the abstracts has been checked. Editor of Proceedings was Prof. Dr. Ing. Josef Krýsa. The final correction of the proceedings was done jointly by Workshop chairman (Josef Krýsa) and by Austrian partner (Guenter Fafilek).

Finally Proceedings with the list of participants (ISBN 978-80-7592-041-6) were published and distributed in May 2019 to all participants (Annex II), Workshop program and the List of participants is also available on website: josefkrysa.com.

Financial requirements in the Czech Republic- 2018

i) Fare of Czech participants (December 2018)

Travel expenses of the chairman of the conference to the partner institution in Austria. The purpose was to discuss the attendance of the Workshop from both countries, to discuss in detail the topics covered by the Workshop, prepare the Mailing list of participants to be addressed and prepare the 1st circular of the Workshop

4.000 CZK

Total cost (2018).....4.000 CZK

Financial requirements in the Czech Republic- 2019

The number of participants in the 9th workshop was estimated to be around 34. There were 8 more participants than expected, they paid the full cost and they are not calculated below. In the framework of the project costs were requested for students (MSc. and PhD.) and also for academic teachers and young researchers with a PhD.

On the Austrian side costs for 4 students and 5 academic teachers and young researchers were requested. On the Czech side costs for 10 students, 15 academic teachers and researchers were calculated. It total it was requested the costs for 9 Austrian participants and 25 Czech participants, the other eventual Czech participants had to pay the full cost.

Cost connected with the holding of the 9th workshop in 2019

i) Accommodation for 34 participants:

2 nights academic (20 researchers) – 1.500 CZK /day 60.000 CZK

2 nights student (14 students) - 700 CZK/day 19.600 CZK

Total accommodation cost 79.600 CZK

ii) Subsistence allowance:

Austrian participants – 4 students, 3 days, 300 CZK /day 3.600 CZK

5 teachers and researchers, 3 days, 600 CZK /day 9.000 CZK

Czech participants –13 students and teachers (UCT Prague), 3 days, 186 CZK /day 7.254 CZK

3 students from Czech Republic, 3 days, 200 CZK /day 1.800 CZK

9 academic participants from Czech Republic, 3 days, 400 CZK /day 10.800 CZK

Total subsistence cost: 32.454 CZK

iii) Fare of Czech participants

Transportation to the Workshop. Because of the complicated (rare connection by public transport) access to the place where the Workshop was planned, the cost of transport of participants by 4 cars was requested. Estimation of the costs for 1 car was 2500 CZK.

Cost of transport by 4 cars..... 10.005 CZK

Total travel cost: 10.005 CZK

iv) rent of the conference room – 2500 CZK /day – in total

Total other cost 7.500 CZK

v) Publication cost (Book of abstract including final program),

Editorial and language corrections 7.995 CZK

Total cost (2019) = 79.600 + 32.454 + 10.005 + 7.500 + 7.995 = 137.554 CZK

Annex III. Statement of account_2018 and 2019

<i>V Praze</i> <i>dne: 23.1.2020</i>	<i>Jméno a podpis řešitele projektu:</i>  Prof. Dr. Ing. Josef Krýsa Telefon: +420220444112	<i>Jméno a podpis statutárního zástupce organizace:</i>  Prof. Ing. Pavel Kotrba, Ph.D. prorektor Telefon: +420220443215
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VYSOKÁ ŠKOLA
CHEMICKO-TECHNOLOGICKÁ V P
oddělení pro vědu a výzkum
Technická 5, 166 28 Praha 6
965/1

List of annexes:

Annex I: Workshop program

Annex II: Proceedings of the 9th Czech-Austrian workshop

Annex III: Statement of account 2018 and 2019