

# Závěrečná zpráva o řešení projektu za rok 2012- 2013

## 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](http://www.dzs.cz) , e-mail: [aktion@dzs.cz](mailto:aktion@dzs.cz)

<b>Partnerská země:</b> <b>Rakousko</b>	
<b>Číslo projektu: 65p1</b>	
Název projektu: <b>5. bilaterální česko-rakouský odborný seminář: Nové trendy v aplikaci foto a elektro katalýzy</b> Project title: <b>5th bilateral Czech-Austrian scientific workshop: New trends in photo and electro catalysis</b>	
<b>Řešitel projektu v ČR:</b> <b>Prof. Dr. Ing. Josef Krýsa</b>	<b>Řešitel v partnerské zemi:</b> <b>Assoc. Prof. Dr. Guenter Fafilek</b>
<b>Dosažené výsledky – plnění cílů projektu:</b> The 5 <sup>th</sup> Czech - Austrian workshop „New trends in application of photo and electro photocatalysis“ was a successful continuation of the conference series organized jointly by Institute of Chemical Technology, Prague, University of Vienna and Vienna University of Technology. Before the start of the workshop in cooperation with partner institution in Austria the Workshop program was finalized. Then the template of Proceedings contributions were created and together with Workshop program were then send to all the participants. The workshop was held three days from 28 <sup>th</sup> to 30 <sup>th</sup> November 2012 and there were 44 participants. The planned number of participants from Austria was 8 and from Czech Republic it was 22. Two students from Austria could not attend the workshop, so they were replaced by two Czech students. The number of Czech participants was thus 24 (including 11 students). Another 3 participants from Czech Republic and 11 participants from other countries paid full fee. The program of the seminar is enclosed (Annex I). 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 ICT Prague and ICP AS CR in 2011. It is possible to say that similarly as 4 <sup>th</sup> workshop also the 5 <sup>th</sup> workshop represented all positive aspects of a small specialised international conference. Participants were from <b>six Czech institutions</b> : Institute of Chemical Technology, Prague, Jaroslav Heyrovsky Institute of Physical Chemistry, Academy of Sciences of the Czech Republic, Institute of Chemical Process Fundamentals, Academy of Sciences of the Czech Republic, Faculty of Chemical Technology, Technical University Brno, Institute of Physics AS CR, University of South Bohemia in Ceske Budejovice; and from <b>three Austrian institutions</b> : University of Vienna, Vienna University of Technology, Austrian Institute of Technology GmbH Tulln. Beside this there were participants from <b>four other European countries</b> : France (CNRS Mendon-Bellevue), Slovenia (University of Nova Gorica), Slovakia (Slovak University of Technology in Bratislava) and Germany (Friedrich-Alexander University, Erlangen).	

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, corrosion, 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. We were able to keep the positive trend: increasing the number of international institutions started at 4<sup>th</sup> workshop held in 2011.

In the project application it was planned to publish the Proceedings of the 5<sup>th</sup> Czech-Austrian workshop. Because the workshop was held in November 2012, Proceedings was printed in 2013. First of all received 2-4 page contributions of presenting authors were edited from scientific point of view. Some manuscripts were returned to authors for revisions. Then the language of all the manuscripts has been checked. Editors of Proceedings were: Prof. Dr. Ing. Josef Krýsa and Doc. Dr. Ing. Petr Klusoň. The final correction of the proceedings was done jointly by Workshop chairman (Josef Krýsa) and by Austrian partner (Gunter Fafilek). Finally Proceedings (ISBN 978-80-7080-850-4) were distributed to all participants.

<p><b>V Praze</b> <b>dne: 18.9. 2013</b></p>	<p><b>Jméno a podpis řešitele projektu:</b>            Prof. Dr. Ing. Josef Krýsa  <b>Telefon: 220444112 (4009)</b></p>	<p><b>Jméno a podpis statutárního zástupce organizace:</b>   <b>Telefon:</b></p>
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Anex I. Program of the Workshop proceedings

Anex II: Proceedings of the 5<sup>th</sup> Czech-Austrian workshop

VYSOKÁ ŠKOLA  
 CHEMICKO-TECHNOLOGICKÁ V PRAZE  
 Ústav anorganické technologie  
 Technická 5, 166 28 Praha 6  
 105/2