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## Report

### 62<sup>nd</sup> International IUVESTA Workshop on Plasma Synthesis and Modification on Nanomaterials (Bohinj, Slovenia, 14. – 18. 6. 2010)

The workshop was organized in a remote Hotel Zlatorog at the shore of lake Bohinj, Slovenia. It addressed open questions in synthesis and modification of nanomaterials using non-equilibrium gaseous plasma. It was attended by 50 participants. We invited 16 leading scientists from all over the world to present recent achievements in this rapid growing field, and to discuss the results and prepare the roadmap for future research. The rest of participants were predominantly PhD and postdoc students. Most of them presented their works in 2 poster sessions. The list of participants is presented in the attached table.

The schedule was concentrated to 4 days and is presented in the attached table. All speakers were invited in order to allow for ample time for discussions. Posters were organized in 2 evening sessions. An international committee (Prof. A. Murphy, Prof. D. Ruzic, Prof. M. Mozetic) awarded two outstanding poster presentations by PhD students. The awards went to Zlatko Kregar, Institute of Physics, Zagreb, poster title Characterization of oxygen plasma created in RF discharge by optical emission spectroscopy, and to Nikos Panagiotopoulos, Department of Physics, University of Ioannina, Greece, poster title Formation of microcones by oxygen plasma treatment of Zr-Cu-Ti and Zr-Cu-Ti-Si metallic glasses films deposited by magnetron sputtering.

The IUVESTA grant of 10.000 Swiss Francs was gratefully acknowledged and was spent to cover all expenses of invited speakers, so their sole expense was the travel.

Table 1: The list of participants. Invited speakers are marked **bold**.

No.	First name	Surname	Country
1	<b>Kostya</b>	<b>Ostrikov</b>	<b>Australia</b>
2	<b>Antony B.</b>	<b>Murphy</b>	<b>Australia</b>
3	<b>David N.</b>	<b>Ruzic</b>	<b>USA</b>
4	<b>Michel</b>	<b>Moriss</b>	<b>Ireland</b>
5	<b>Zoran</b>	<b>Lj. Petrović</b>	<b>Serbia</b>
6	<b>Mahendra</b>	<b>K. Sunkara</b>	<b>USA</b>
7	<b>Shailesh</b>	<b>Kumar</b>	<b>Australia</b>
8	<b>Vladimir</b>	<b>Matolin</b>	<b>Czech Rep</b>
9	<b>Masaru</b>	<b>Hori</b>	<b>Japan</b>
10	<b>Masaharu</b>	<b>Shiratani</b>	<b>Japan</b>
11	<b>Wonho</b>	<b>Choe</b>	<b>Korea</b>
12	<b>Slobodan</b>	<b>Milošević</b>	<b>Croatia</b>
13	<b>Marian</b>	<b>Lehocky</b>	<b>Czech Rep</b>



**DRUŠTVO ZA VAKUUMSKO TEHNIKO SLOVENIJE**  
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**SLOVENIAN SOCIETY FOR VACUUM TECHNIQUE**

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14	<b>Janez</b>	<b>Kovač</b>	<b>Slovenia</b>
15	<b>Giorgos</b>	<b>Evangelakis</b>	<b>Greece</b>
16	<b>Jianjun</b>	<b>Shi</b>	<b>China</b>
17	Petr	Smolka	Czech Rep
18	Justin	Holmes	Ireland
19	Željka	Nikitović	Srbia
20	Tjaša	Vrlinič	France
21	Alexandra	Lagogianni	Greece
22	Nikos	Panagiotopoulos	Greece
23	Giorgos	Almyras	Greece
24	Ondrej	Grulich	Czech Rep
25	Ahmed	Asadinezhad	Czech Rep
26	Kristina	Eleršič	Slovenia
27	Martina	Modic	Slovenia
28	Alenka	Vesel	Slovenia
29	Marijan	Bišćan	Croatia
30	Zlatko	Kregar	Croatia
31	Miran	Mozetič	Slovenia
32	Uroš	Cvelbar	Slovenia
33	Vladimir	Sedlarik	Czech Rep
34	Aleš	Mraček	Czech Rep
35	Aleksander	Drenik	France
36	Andrew Das	Arulsamy	Malaysia
37	Michal	Sedlačik	Czech Rep
38	Grega	Primec	Slovenia
39	Rok	Zaplotnik	Slovenia
40	Shuyan	Xu	Singapore
41	Primoz	Eiselt	Austria
42	Igor	Novak	Slovakia
43	Peter	Saha	Czech Rep
44	Rahela	Kulčar	Croatia
45	Tomaž	Semenič	Slovenia
46	Andrijana	Sever Škapin	Slovenia
47	Marta	Klanjšek Gunde	Slovenia
48	Caroline	Mille	France
49	Igor	Levchenko	Australia
50	Danijela	Vujošević	Montenegro



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Table 2. The workshop schedule

hour	Monday 14 <sup>th</sup> June	Tuesday 15 <sup>th</sup> June	Wednesday 16 <sup>th</sup> June	Thursday 17 <sup>th</sup> June	Friday 18 <sup>th</sup> June	
8.45		Open		Excursion Vogel Alt. 1600m Cable car	Walking Savica Waterfall	
9.00		Plenary1	Plenary2			
		Invited 1	Invited 7			
		Invited 2	Invited 8			Coffee Round Table 2
11.00		Coffee	Coffee			
		Invited 3	Invited 9			
		Invited 4	Invited 10			
		Invited 5	Invited 11			
		Invited 6	Invited 12			
13.00	Registration	Lunch	Lunch	Lunch	Lunch	
15.00		Round Table 1	Excursion Bled	Invited 13 Invited 14		
19.00	Welcome cocktail	Poster cocktail	Vintgar	Invited 15 Invited 16		
20.30			Poster cocktail	Dinner		