## CONFERENCE PROGRAMME

**26th June 2013**  
Aprilov National High School – Gabrovo  
Bulgaria  

**Moderator:** Assoc. Prof. Adriana Tatrova – Grigorova  
*Research Laboratory on Chemistry Education and History and Philosophy of Chemistry, Sofia University (Bulgaria)*

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<tr>
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<tr>
<td>8.30 - 9.00</td>
<td>Registration</td>
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| 9.00 – 9.15   | **Welcome addresses:**  
                 Snezhana Rachevits, principal of Aprilov National High School – Gabrovo  
                 Prof. DSc. Raycho Ilarionov, Rector of Technical University of Gabrovo |
| 9.15 – 10.30  | **1st Session: Training of Chemistry Teachers – European Realities (Part 1)** |
|               | Maria Maddalena Carnasciali, Laura Ricco  
               **Students’ Motivation to Learn Chemistry in Europe**  
               Speaker: Maria Maddalena Carnasciali, University of Genoa (Italy) |
|               | Marie Walsh  
               **Teacher Training in Science: Ireland**  
               Speaker: Marie Walsh, Limerick Institute of Technology (Ireland) |
|               | Myriam de Kesel, Bernard Tinant, Nathalie Matthys, Divna Brajkovic, Jean-Luc Pieczynski  
               **Teachers’ Training in the Fédération Wallonie Bruxelles**  
               Speaker: Julien Keutgen, Inforef (Belgium) |
|               | Zdeněk Hrdlička, Eva Krchová  
               **Teacher’s Training in the Czech Republic**  
               Speaker: Zdeněk Hrdlička, Institute of Chemical Technology, Prague (Czech Republic) |
|               | Katerina Salta, Dionysios Koulougliotis  
               **Training of Chemistry Teachers: International Experience and the Greek Case**  
               Speaker: Dionysios Koulougliotis, Technological Educational Institute (TEI) of Ionian Islands (Greece) |
|               | Maria Maddalena Carnasciali, Laura Ricco, Aldo Borsese, Irene Parrachino  
               **Training of Science Teachers in Italy**  
               Speaker: Laura Ricco, University of Genoa (Italy) |
| 10.30 – 11.00 | Coffee break, National Museum of Education                              |
### 26th of June 2013, Technical University of Gabrovo, Gabrovo, Bulgaria

#### 11.00 – 12.30

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<th>2nd Session: Training of Chemistry Teachers – European Realities (Part2)</th>
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| **Aleksandra Smejda-Krzewicka**  
**Chemistry Education in Polish Schools**  
*Speaker: Monika Smaga, University of Computer Sciences and Skills, Lodz (Poland)* |
| **Olga Ferreira, A. Silva, M.Filomena Barreiro**  
**An overview of teacher training in Portugal**  
*Speaker: Filomena Barreiro, Polytechnic Institute of Bragança (Portugal)* |
| **Katarína Javorová, Beáta Brestenská, Milica Kržanová**  
**Chemistry Teacher Training in Slovakia**  
*Speaker: Juraj Dúbrawa, TRANSFER Slovensko, s.r.o. (Slovakia)* |
| **Antonio Jesús Torres Gil**  
**Science Secondary Teachers’ Training Perspectives in Spain**  
*Speaker: Cristina Gaitan, Spanish Confederation of Education Centres (Spain)* |
| **Murat Demirbaş, Mustafa Bayrakci, Mehmet Polat Kalak**  
**Chemistry Teacher’s in-Service Training Needs in Turkey**  
*Speaker: Mustafa Bayrakci, Kirikkale University (Turkey)* |
| **Milena Koleva, Adriana Tafrova Grigorova, Milena Kirova**  
**Innovative Teaching for Creative Learning: Teacher Training**  
*Speaker: Milena Koleva, Technical University of Gabrovo (Bulgaria)* |

#### 12.30 – 13.30

**Lunch break**

#### 13.30 – 15.00

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<th>3rd Session: Teachers competences: modern student oriented pedagogical approaches</th>
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| **Milena Kirova**  
**Pre-service Chemistry Teachers’ Training at Sofia University in the Frame of Technological Pedagogical Content Knowledge**  
*Speaker: Milena Kirova, Sofia University (Bulgaria)* |
| **Iliya Emilov, Adriana Tafrova-Grigorova**  
**Student Perceptions of Science Classroom Learning Environment in some Balkan Countries**  
*Speaker: Iliya Emilov, Sofia University, Faculty of Chemistry and Pharmacy (Bulgaria)* |
| **Violeta Konstantinova**  
**Formation and Development of Positive Students’ Motivation Toward Natural Sciences**  
*Speaker: Violeta Konstantinova, Secondary School of Mathematics and Natural Sciences, VelikoTarnovo (Bulgaria)* |
| **Galia Shumanova, Lilia Ovcharova - Kirilova**  
**Pedagogical Experience in Making Criteria for internal Assessment in Accordance with the Curriculum of Chemistry and Environmental Protection**  
*Speaker: Galina Shumanova, Center for Control and Assessment of School Education Quality, Sofia (Bulgaria)* |
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<td>15.00 – 15.30</td>
<td>Coffee break, National Museum of Education</td>
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<td>15.30 – 17.00</td>
<td><strong>4th Session: Methodology to Teach Specific Chemistry Topics</strong></td>
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<td><strong>Maria Nikolova, Darin Madzharov</strong></td>
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<td>Speaker: Darin Madzharov, Ucha.se, Sofia (Bulgaria).</td>
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<td><strong>Boris Danailov, Adriana Tafrova-Grigorova</strong></td>
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<td>Students’ Laboratory Work in Chemistry Classes: a Way to Develop Key Competences</td>
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<td>Speaker: Boris Danailov, Konstantin Jireček Secondary school, Sofia (Bulgaria)</td>
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<td><strong>Krasimira Tomeva</strong></td>
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<td>Club Activity as Pedagogical Approach to Enhance Students Interest Toward Natural Sciences</td>
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<td>Speaker: Krasimira Tomeva, Professional Mechanoelectrotechnical High School – Sevlievo (Bulgaria)</td>
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<td><strong>Jenna Staykova, Galina Kirova</strong></td>
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<td>“Earth belongs to all of us” – an Interschool Project on the Impact of Mineral Fertilizers</td>
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<td>Speaker: Jenna Staykova, ARCUS American College, Veliko Tamovo (Bulgaria)</td>
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<td><strong>Hristo Kolev, Sofia University</strong></td>
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<td>Live Scientific Show: &quot;On the edge of science and art&quot;</td>
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<td>17.00</td>
<td><strong>End of the conference</strong></td>
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For contacts:
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     +359  879 211 812
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Conference website: [http://tict.tugab.bg](http://tict.tugab.bg)
Project website: [http://chemistrynetwork.pixel-online.org/](http://chemistrynetwork.pixel-online.org/)