



## GSBS Intensive Program Schedule, 16-28 May 2016

### WEEK 1

**Monday, 16<sup>th</sup> May, 09.00-17.00**

***Advances in the area of Greener Munitions and Energetics***  
***Traian ROTARIU and Sorin EȘANU - MTA***

**Tuesday 17<sup>th</sup> (09.00 -13.30)**

***Modeling and simulation for ballistic protection***  
***Adrian ROTARIU and Eugen TRANA - MTA***

**Tuesday 17<sup>th</sup> (15.00 -17.00)**

***Modeling and simulation for ballistic systems***  
***Marius Valeriu CÎRMACI - MTA***

**Wednesday 18<sup>th</sup> (09.00 – 13.30) and**

***Buildings under blast loadings***  
***Marin LUPOAE - MTA***

**Wednesday 18<sup>th</sup> (15.00 -17.00)**

***Modeling and simulation for ballistic systems***  
***Marius Valeriu CÎRMACI - MTA***

**Thursday 19<sup>th</sup> (09.00 – 13.30)**

***Visit to the Research Agency of RO MoD***  
***METRA and CCSACBRNE***  
***Adrian ROTARIU and Eugen TRANA - MTA***

**Thursday 19<sup>th</sup> (15.00 – 17.30) and**

**Friday 20<sup>th</sup> (09.00 – 15.00)**

***Blast Waves. Metrology in shock physics and detonics***  
***Michel Arrigoni - ENSTA Bretagne Brest***

**Saturday 21<sup>st</sup> (9.00 -17.00)**

***Green pyrotechnics. Insensitive Munitions***  
***Doru GOGA - MTA***

**Saturday 21<sup>st</sup> afternoon and Sunday 22<sup>nd</sup>**

***Intercultural event***

**WEEK 2****Monday 23<sup>rd</sup> (9.00 – 17.00)*****Shock Physics; Insensitive EM and Insensitive EBSs******William G. Proud - Imperial College London*****Tuesday 24<sup>th</sup> (09.00 – 17.00)*****Environmental and Toxicological Features of Energetic Materials and Ammunitions;******Non-Trivial Uses of Explosives; Overview of demilitarisation techniques******José BARANDA RIBEIRO and Fausto FREIRE - University of Coimbra*****Wednesday 25<sup>th</sup>****INVITED LECTURES*****8.30 – 09.30******Advances in the area of IM technology. Perspectives in the area of GSEBS******Prof Adam Stewart CUMMING – University of EDINBURGH******09.40 – 10.40******Blast calculations******Mr Paul LOCKING – BAE Systems, Shrivenham******11.50 – 12.50******Problems encountered in testing of Energetic Materials******Miloslav KRUPKA - OZM Research******14.00 – 15.00******New methods in testing of Energetic Materials******Jiri PACHMAN - University of Pardubice******15.10 – 16.10******Metal oxide nanoparticle production from detonation – modelling and experimental developments******José CAMPOS - University of Coimbra******16.20 – 17.20******Novel Propellants, materials and processes******Donald FOSSEY - The Falcon Project*****FINAL REMARKS and COLSING CERMONY*****Thursday 25<sup>th</sup> 17.20***