

# ***2012 Insensitive Munitions & Energetic Materials Technology Symposium***

**May 14-17, 2012**

**Planet Hollywood Hotel**

**Las Vegas, NV**

***General & “B” Sessions***

## Tuesday, May 15 - Morning

### General Session

- 8:00** Introduction/Admin Remarks – *Melissa Hobbs*
- 8:15** Keynote Address – *Captain J. Brent "SINBAD" McCraney, USAF*
- 8:45** Life Cycle Demilitarization Considerations ... - *Anthony Di Stasio*
- 9:05** Awards Presentations
- 9:20** **Poster Session Networking Break**

### Session IB - Synthesis (Chair: *Dr. Andrew Sanderson* )

- 10:20** DNGU: Synthesis, Formulation, and Testing... – *Dr. Neil Tucker*
- 10:40** Towards Low-Cost TATB based formulations – *Anne K-Wuillaume*
- 11:00** Manufacture of Sym-Triaminotrinitrobenzene... – *Mike Ervin*
- 11:20** Preparation of Common Nitrate Ester... – *Dr. Nicholas Straessler*
- 11:40** TEX: A rational, next-generation IM explos... – *Dr. Steve Velarde*
- 12:00** **Lunch**

**Tuesday, May 15 - Afternoon****Session 2B – Ingredients 1 (Chair: *Mike Ervin*)**

- ❑ **1:20** Demonstration of 1-nitramino-2,3-dinitroxyprop... – *Mike Willcox*
- ❑ **1:40** Studies on RDX of Improved Crystal Quality – *Dr. Sarah Headrick*
- ❑ **2:00** NTO for Insensitive Compositions – *Genevieve Eck*
- ❑ **2:20** Development of an Efficient Alternative... – *Dr. Sarah Headrick*
- ❑ **2:40** ***Networking Break***

**Session 3B – Formulations 1 (Chair: *Steve Nicolich*)**

- ❑ **3:00** Exploring the HMX-based PBXs with the TAT... – *Dr. Igor Plaksin*
- ❑ **3:20** Development and Evaluation of Granular... – *Alberto Carrillo*
- ❑ **3:40** Decreasing Shock-Sensitivity by Coating Nitra... – *Peter Gerber*
- ❑ **4:00** Underwater Performance Demonstra... – *Mrs. Mari-Ella Sairiala*
- ❑ **4:20** ***Networking Break***

**Session 4B – Processing 1 (Chair: *Andrew Wilson*)**

- ❑ **4:40** Development and Scale Up of New Process... – *Helen Stenmark*
- ❑ **5:00** Large Scale Manufacturing Of Insensitive Explosive – *Virgil Fung*
- ❑ **5:20** Recent Developments in CL-20 Synth... – *Dr. Nicholas Straessler*
- ❑ **5:40** Nitrotriazolone (NTO) Process Optimization... – *Timothy Dawag*
- ❑ **6:00** ***Sessions Adjourned***

**Wednesday, May 16 - Morning****Session 5B - Munitions Technologies (Chair: *Stephen Struck*)**

- 8:00** Translating the IM Behaviour of Munitions... – *Peter Hooijmeijer*
- 8:20** DEMN-based IM Formulations for the... – *Dr. Eric Bukowski*
- 8:40** 60/81 mm projectiles filled with IMX-104 – *Erik Boykin*
- 9:00** 81mm Reliability Testing – *Daniel Zaloga*
- 9:20** ***Poster Presentation Networking Break***

**Session 6B - Characterization 1 (Chair: *Wim de Klerk*)**

- 10:20** Heating Rate Effect On Slow Cook-Off... – *Nausheen Al-Shehab*
- 10:40** Emission Spectroscopy on Wire Explosions – *Sabastian Knapp*
- 11:00** TBD
- 11:20** Characterization of Ageing of NC Based... – *Dr. Manfred Bohn*
- 11:40** Characterization of 2, 4-Dinitroanisole (DNAN) – *Philip Samuels*
- 12:00** ***Lunch***

**Wednesday, May 16 - Afternoon****Session 7B - Formulations 2 (Chair: *Bruno Nouguez*)**

- 1:30** Exudation Problems and Solutions with the... – *Marc Brassard*
- 1:50** Studies on OSX-12 formulation, an aluminized... – *Annie Vézina*
- 2:10** Development and Characterisation of ... – *Christophe Coulouarn*
- 2:30** A New Generation of Malleable Plastic Explos... – *Bernard Mahé*
- 2:50** Less Sensitive Combined Effects Explosives – *Paula Cook*
- 3:10** ***Networking Break***

**Session 8B - Processing 2 (Chair: *Tim Mahoney*)**

- 3:30** Explosives Coating via Advanced Cluster Ener... – *Alberto Carillo*
- 3:50** Analyzing Production Processes of Energetic... – *Rajen Patel*
- 4:10** Novel Manufacturing Process for the Thermo... – *Mike Ervin*
- 4:30** Compression Molding of Ultra-fine TATB... – *Dr. D. Mark Hoffman*
- 4:50** Process Improvement And Optimization Of Insen... – *Virgil Fung*
- 5:10** ***Symposium Reception***

**Thursday, May 17 - Morning**

**Session 9B - Characterization 2 (Chair: *Dr. Roy Kelly*)**

- 8:00** Irreversible Growth of DNAN Based Formula... – *Philip Samuels*
- 8:20** Parameter with Impact of Sensitivity... – *Dr. Janis Ritums*
- 8:40** Development and Characterization of New... – *Christelle Collet*
- 9:00** Formulation and Characterizations of... – *Dr. Arnaud Beaucamp*
- 9:20** IMX-104 Characterization for DoD Qualification – *Leila Zunino*
- 9:40** ***Networking Break***

**Session 10B - Formulations 3 (Chair: *Dr. Per Sjoberg*)**

- 10:00** Detonation and Blast Characteristics of... – *Dr. Paul Anderson*
- 10:20** Assessment of DEMN-based IM Formulat... – *Dr. Eric Bukowski*
- 10:40** A Safe and Effective Method to Remotely Mix... – *Brad Cragun*
- 11:00** Meltable Explosives for Pressed Applications – *Omar Abbassi*
- 11:20** DLE-C067: A New Insensitive Cast-cure For... – *Michael Adams*
- 11:40** ***Symposium Adjourned***

**SUMMARY**

- Electronic surveys will be sent to your email addresses immediately after this Conference
- Attendees will be sent a link to the proceedings within two weeks

**Please join us next year!  
The 2013 IM&EM Symposium will be held  
October 7-10 in San Diego  
at the Loews Coronado Bay Hotel**