

WORKSHOPS

1. **Electrostatic Hazards Related to Fireworks** – Roger Schneider
2. **Choreography** – Mike Jones

MODERATED SESSIONS

To be announced

TENTATIVE PAPERS

Simulating Fireworks Chain-Reactions with Cellular Automata – *Alexander von Oertzen*, BAM Federal Institute for Materials Research and Testing, Germany

The Determination of Residual Perchlorate after the Controlled Ignition of Selected Fireworks Compositions – *Kelly Armstrong, William Ridley, Rick Guilbeault and Barbara Duff*, Natural Resources Canada, Canada

Potassium Perchlorate – Must it Really be Substituted? – *Uwe Krone*, Glorious Fireworks Intl., Hong Kong

Methodology of Accident Analysis with Progress Flowchart – *Katsumi Katoh, Shoko Abe, Yuji Ogata, Masahide Wakakura, and Yuji Wada*, Research Core for Explosion Safety (ESCORE), National Institute of Advanced Industrial Science and Technology (AIST), Japan

Case Studies on Japanese Fireworks Accidents in Recent Years (III) – *Katsumi Katoh, Shoko Abe, Yuji Ogata, Masahide Wakakura, and Yuji Wada*, Research Core for Explosion Safety (ESCORE), Research Institute of Science for Safety and Sustainability (RISS), National Institute of Advanced Industrial Science and Technology (AIST), Japan

Pirotecnia Impacto Social y Políticas de Estados – *Jesus Arias Caceres*, Federacion Nacional de Pirotecnicos, Peru

Current Issues on Regulating Fireworks – *Jean-Luc Arpin and Rachel Robbins*, Explosives Regulatory Division (ERD), Canada

The Development of the Canadian Display Fireworks Manual – *Jean-Luc Arpin and Rachel Robbins*, Explosives Regulatory Division (ERD), Canada

Authorization Process of Fireworks in Mexico – *Jorge Mauro Márquez Márquez*, Lux Pirotecnia, S.A. de C.V., México

The Flying Fireworks Squad (VBV) Enforcement on Fireworks in the Netherlands – Arno van Dop, Ministry of Housing, Spatial Planning and the Environment, Ministry of VROM, VROM Inspectorate, The Netherlands

Multicolour Lighting in the Nocturnal Sky, a Very Mexican Attraction – M. en C. Carlos Sedano Rodríguez, State of Mexico Pyrotechnics Institute, México

Concept Design Tests for Firework Magazines to Minimise Explosion Debris from any Initiation – Anthony Lealand, Firework Professionals Ltd., New Zealand

An Alternative Method of Evaluating Powder Energy – Andrew Tang, Tian Cheng Pyrotechnics Laboratory, China

Japanese “Wariyaku”, is it a Flash Composition or Not? – Takuro Mitsuya, Department of Chemical System Engineering, Graduate School of Engineering, Japan and Mitsuru Arai, Environmental Science Center, the University of Tokyo, Japan

Determination of Reaction Products During a Large Firework Display in Germany – Andreas Dutschke, Christian Lohrer, Stefan Seeger, Lutz Kurth, Martin Schmidt, Michael Kaiser, Kim-Benjamin Stattaus, and Ulrich Panne, Federal Institute for Materials Research and Testing (BAM), Germany

Towards the Reaction Products of Indoor Fireworks – Andreas Dutschke, Christian Lohrer, Stefan Seeger, and Lutz Kurth, Federal Institute for Materials Research and Testing (BAM), Germany

Explosion Effect Experiments of Fireworks Compositions – Tomoharu Matsumura, Kunihiko Wakabayashi, Koki Ishikawa, Tomotaka Homae, Eishi Kuroda, Yoshio Nakayama, Research Core for Explosion Safety, National Institute of Advanced Industrial Science and Technology (AIST), Japan, Shuji Hatanaka, Bureau of Pyrotechnics Inspection, Japan Pyrotechnics Association, Japan, and Mitsuaki Iida, AIST, Japan

Sound Level Analysis of Firecrackers: Effect of Oxidizers - Jeya Rajendran, Department of Chemistry, Loyola College, India and T.L.Thanulingam, Fireworks Research and Development Centre, Petroleum and Explosives Safety Organisation, India

How to Drop a Waterfall in the Middle of a 40,000 People Crowd – Paul Philipsen, Pyrofoor de Amsterdam BV, The Netherlands

Physical Shell Assignment – David W. Russell, Firelinx, USA, and J. Larry Mattingly, Entertainment Fireworks, Inc., USA

A New Aerial Shell Ballistic Model Experimentally Verified – Larry Weinman, Schneier/Weinman Consultants, LLC, USA, Ken L. and Bonnie J. Kosanke, Pyrolabs, Inc., USA, and James Widmann, Connecticut Pyrotechnic Manufacturing Inc., USA

Measuring Velocity and Height of Shells – *Joost van Lingen and Murk van Rooijen*, TNO, Defence Security and Safety, The Netherlands

Pyrotechnics Tradition in Tultepec, State of Mexico – *Juana Antonieta Zúñiga Urbán*, Honorable Town Council of Tultepec, Mexico

Observations on the Mexican Fireworks Industry – *Jorge Mauro Márquez Márquez*, Lux Pirotecnia, S.A. de C.V., México

Market Surveillance of Consumer Fireworks – Results from Denmark, 2006-2008 – *Lone Brose*, Danish Safety Technology Authority, Denmark

The Maltese Raddiena – *Nicholas Spiteri*, FireOne Malta, Malta

Japanese Fireworks Competitions and Evaluation – *Ryoki Hosoya and Tadao Yoshida*, Ashikaga Institute of Technology, Japan, *Maiko Watanabe*, Hosoya Pyrotechnics Co., Ltd., Japan

Research on Pretreatment to Determine Content of Chemical Components in Pyrotechnic Compositions – *Jiang Fang-ming, Tan Ai-xi, Qiu Li-na, and Dai Fei*, Fireworks and Firecracker Inspection Center of Hunan, Entry-Exit Inspection and Quarantine Bureau, China

Effect of Composition on Colour Values of Green Star Flame – *Kazuomi Itoh, Dayu Ding, and Tadao Yoshida*, Ashikaga Institute of Technology, Japan, *Hideo Watanabe*, Pyrotechnica, Co., Ltd., Japan

Institutional Book “Fireworks in Valencia” – *Mikel Pagola Erviti*, Director Piroart.com and Pyroinfo.com, Spain

Economic Advantages of 3D Fireworks Simulation Software Simplification of the Software User Interface - *Alberto Navarro*, InfinityVisions Inc., USA

Expedient Large Shell Manufacture – *James C. Widmann*, Connecticut Pyrotechnic Manufacturing Inc., USA

Study of Fire Detection and Extinguishing Systems inside Pyrotechnics Storage Magazines – *Fernández Ramón, Carlos; Casín Loya, Juan; Muñoz de la Torre, Teresa*; Madariaga Official Laboratory (LOM), Spain, and *Zapardiel Palenzuela, José María*; Ministry of Industry Tourism and Trade, Spain

The Stadium Pyromusical: Development of Entertaining Shows in a Stadium Environment – *Martin Hildeberg*, Göteborgs FyrverkeriFabrik, Sweden

Characterization of Sparklers and Bengal Flames using the Fire Propagation

Apparatus – *R. Branka, G. Marlair, J. P. Bertrand*, Institut National de l'Environnement Industriel et des Risques (INERIS), France, *H. Biteau*, INERIS and BRE Centre for Fire Safety Engineering, University of Edinburgh, UK