

Monday, June 15 2015 at 08:00 AM

A1 Plenary Session I

Room

Grand E

Invited Speakers

8:10 am: Bruce Remington

Monday, June 15 2015 at 09:15 AM

B1 Detonation and Shock-Induced Chemistry I: DDT Chemistry

Grand E

9:15 am: Santanu Chaudhuri

B2 Equation of State I: Sound Speed and Grüneisen Parameter

Grand F

9:45 am: Dayne Fratandunono

B3 Velocimetry I: Velocimetry, Ranging and Position Measurement

Grand G

10:15 am: Brandon La Lone

B4 Materials Strength I : Instability Growth

Grand H

B5 First-Principles and MD I: Polycrystalline and Porous Materials

Grand I/J

B6 Particulate, Porous and Composite Materials I: Foams and Composites

Room 8/9/10

Monday, June 15 2015 at 11:15 AM

C1 Detonation and shock-induced chemistry II: Reactive Burn Models

Grand E

C2 Equation of State II: Very High Pressure

Grand F

C3 Velocimetry II: PDV Analysis and Energetics

Grand G

C4 Materials Strength II: Dynamic Experimental Methods

Grand H

11:15 am: Guruswami Ravichandran

C5 First-Principles and MD II: Damage and Defects in Metals

Grand I/J

11:45 am: Eduardo Bringa

C6 Particulate, Porous and Composite Materials II: Particle Interactions

Room 8/9/10

11:45 am: Wayne Chen

Monday, June 15 2015 at 02:00 PM

D1 Experimental Developments I: Pulsed-Power Experiments

Grand E

2:00 pm: Raymond Lemke

D2 Energetic and Reactive Materials I: Reactive Materials I

Grand F

2:30 pm: Timothy Weihs

D3 Grain Scale to Continuum Modeling I: Coarse Graining

Grand G

D4 Materials Strength III : High-Rate Material Strength

Grand H

D5 Equation of State III: Models

Grand I/J

D6 Inelastic Deformations, Fracture and Spall I

Room 8/9/10

Monday, June 15 2015 at 03:30 PM

E1 Experimental Developments II: Energetic Materials I

Grand E

E2 Energetic and Reactive Materials II: Shocked Materials

Grand F

E3 Grain Scale to Continuum Modeling II: Porous Explosives

Grand G

3:30 pm: Ryan Austin

E4 High Energy Density Physics/Warm Dense Matter I

Grand H

4:00 pm: Thomas Boehly

E5 Equation of State IV: Compression, Off-Hugoniot, Off-Isentrope

Grand I/J

E6 Inelastic Deformations, Fracture and Spall II: Ejecta

Room 8/9/10

Monday, June 15 2015 at 05:00 PM

F1 Experimental Developments III: Energetic Materials II

Grand E

F2 Energetic and Reactive Materials III: Static and Ramp Loading

Grand F

F3 Grain Scale to Continuum Modeling III: Methodology I

Grand G

5:00 pm: Jean-Bernard Maillet

F4 High Energy Density Physics/Warm Dense Matter II

Grand H

F5 Equation of State V: Metals

Grand I/J

F6 Inelastic Deformations, Fracture and Spall III: Critical Conditions

Room 8/9/10

5:00 pm: Neil Bourne

Tuesday, June 16 2015 at 08:00 AM**G1** Plenary Session II**Room**

Grand E

Invited Speakers

8:00 am: Timothy Germann

Tuesday, June 16 2015 at 09:15 AM**H1** Experimental Developments IV: X-ray I

Grand E

9:15 am: David Montgomery

H2 Energetic and Reactive Materials IV: Novel Materials

Grand F

9:45 am: Thomas Klapoetke

H3 Velocimetry III: Spatially Resolved Methods & Fiber Bragg Grating

Grand G

10:15 am: Marcia Cooper

H4 Turbulence and Mixing I

Grand H

H5 Equation of State VI: Ramp Compression

Grand I/J

H6 Inelastic Deformations, Fracture and Spall IV: Copper

Room 8/9/10

Tuesday, June 16 2015 at 11:15 AM**J1** Experimental Developments V: Novel Techniques

Grand E

J2 Energetic and Reactive Materials V: Materials by Design I

Grand F

11:15 am: Rebecca Wilson

J3 Velocimetry IV: Multiplexed PDV and Novel Velocimetry Methods

Grand G

J4 Turbulence and Mixing II

Grand H

11:45 am: Suresh Menon

J5 Equation of State VII: Multiphase Systems

Grand I/J

J6 Inelastic Deformations, Fracture and Spall V: Extreme Loading

Room 8/9/10

12:15 pm: Marc Meyers

Tuesday, June 16 2015 at 02:15 PM**K1** Detonation and shock-induced chemistry III: Detonation Products

Grand E

K2 Experimental Developments VI: X-ray II

Grand F

2:15 pm: Todd Hufnagel

K3 Energetic and Reactive Materials VI: PBX

Grand G

K4 Turbulence and Mixing III

Grand H

K5 Phase Transitions I: Molecular Dynamics

Grand I/J

K6 Particulate, Porous and Composite Materials III

Room 8/9/10

2:45 pm: Mukul Kumar

Tuesday, June 16 2015 at 03:45 PM**L1** Detonation and shock-induced chemistry IV: Propagation Modeling

Grand E

L2 Experimental Developments VII: Diagnostic Development

Grand F

L3 Soft Matter I: Polymers

Grand G

3:45 pm: Clive Siviour

L4 Turbulence and Mixing IV

Grand H

L5 First-Principles and MD III: Warm Dense Matter

Grand I/J

4:15 pm: Michael Desjarlais

L6 Particulate, Porous and Composite Materials IV: Sand

Room 8/9/10

Tuesday, June 16 2015 at 05:30 PM**M1** Poster Session I (5:30 PM - 7:30 PM)

Grand ABCD

Wednesday, June 17 2015 at 08:00 AM**N1** Plenary Session III: George E. Duvall Shock Compression Science Award Talk**Room**

Grand E

Invited Speakers

8:00 am: Jerry Forbes

Wednesday, June 17 2015 at 09:15 AM**O1** Detonation and shock-induced chemistry V: Initiation Chemistry

Grand E

9:15 am: Jeffrey Kay

O2 Energetic and Reactive Materials VII: Sensitivity

Grand F

O3 Geophysics and Planetary Science I: Planetary Interiors and Impacts

Grand G

9:15 am: June Wicks,
9:45 am: Federica Coppari**O4** Phase Transitions II: Metals I

Grand H

O5 First-Principles and MD IV: Accelerated Molecular Dynamics

Grand I/J

10:15 am: Marc Cawkwell

O6 Inelastic Deformations, Fracture and Spall VI

Room 8/9/10

Wednesday, June 17 2015 at 11:15 AM**P1** Detonation and shock-induced chemistry VI: Shock Propagation

Grand E

P2 Energetic and Reactive Materials VIII: Reactive Materials II

Grand F

P3 Geophysics and Planetary Science II: Giant Planets and Planetary Ices

Grand G

11:15 am: Marius Millot

P4 Phase Transitions III: Molecular Dynamics

Grand H

11:45 am: Johann Bouchet

P5 First-Principles and MD V: Melting & Energy Transport

Grand I/J

P6 Inelastic Deformations, Fracture and Spall VII: Rods and Cylinders

Room 8/9/10

Thursday, June 18 2015 at 08:00 AM		Room	Invited Speakers
R1	Plenary Session IV	Grand E	8:00 am: Betsy M. Rice
Thursday, June 18 2015 at 09:15 AM			
S1	X-ray Free Electron Lasers and Materials I	Grand E	9:15 am: Bob Nagler
S2	Energetic and Reactive Materials IX: Microstructural Effects	Grand F	
S3	Grain Scale to Continuum Modeling IV: Granular Materials	Grand G	9:15 am: Arunachalam Rajendran
S4	Materials Strength IV: Dynamic Material Strength	Grand H	10:15 am: Jeremy Millett
S5	Equation of State VIII: Reactive Materials	Grand I/J	
S6	Inelastic Deformations, Fracture and Spall VIII: Brittle Glasses	Room 8/9/10	
Thursday, June 18 2015 at 11:15 AM			
T1	X-ray Free Electron Lasers and Materials II	Grand E	11:15 am: Malcolm McMahon
T2	Energetic and Reactive Materials X: Simulations	Grand F	
T3	Grain Scale to Continuum Modeling V: Methodology II	Grand G	
T4	Materials Strength V: High-Rate Strength Modeling	Grand H	11:45 am: Abigail Hunter
T5	Equation of State IX: Gases	Grand I/J	
T6	Inelastic Deformations, Fracture and Spall IX: Brittle Ceramics	Room 8/9/10	11:15 am: Stefan Hiermaier
Thursday, June 18 2015 at 02:15 PM			
U1	Detonation and shock-induced chemistry VII: Low Density Explosive Reactivity	Grand E	2:15 pm: Mario Fajardo
U2	Experimental Developments VIII: Optical Diagnostics	Grand F	
U3	Geophysics and Planetary Science III: Planetary and Prebiotic Materials	Grand G	2:45 pm: Norimasa Ozaki
U4	Phase Transitions IV: Modeling	Grand H	
U5	First-Principles and MD VI: Chemical Reactivity	Grand I/J	
U6	Particulate, Porous and Composite Materials V	Room 8/9/10	
Thursday, June 18 2015 at 03:45 PM			
V1	Detonation and shock-induced chemistry VIII: Detonation Science	Grand E	
V2	Experimental Developments IX: Ultrafast Compression	Grand F	3:45 pm: Michael Armstrong
V3	Soft Matter II: Polymers & Bio	Grand G	
V4	Phase Transitions V: Metals II	Grand H	
V5	First-Principles and MD VII: New Materials	Grand I/J	
V6	Particulate, Porous and Composite Materials VI	Room 8/9/10	4:45 pm: William Proud
Thursday, June 18 2015 at 05:30 PM			
W1	Poster Session ii (5:30 PM - 7:30 PM)	Grand ABCD	

Friday, June 19 2015 at 08:00 AM

X1 Plenary Session V

Room

Grand E

Invited Speakers

8:00 am: Dana Dlott

Friday, June 19 2015 at 09:15 AM

Y1 Detonation and shock-induced chemistry IX: Spectroscopic Studies

Grand E

9:15 am: Shawn McGrane

Y2 Energetic and Reactive Materials XI: : Metals

Grand F

9:45 am: Bryce Tappan

Y3 Equation of State X: Energetic Materials

Grand G

Y4 Phase Transitions VI: Advances

Grand H

Y5 First-Principles and MD VIII: Reactive Molecular Dynamics

Grand I/J

10:15 am: Alejandro Strachan

Y6 Inelastic Deformations, Fracture and Spall X: New Models, Techniques, and Targets

Room 8/9/10

Friday, June 19 2015 at 11:15 AM

Z1 Detonation and shock-induced chemistry X: Ignition and Growth

Grand E

Z2 Energetic and Reactive Materials XII: Materials by Design II

Grand F

11:15 am: C. Michael Lindsay

Z3 Particulate, Porous and Composite Materials VII

Grand G

Z4 Phase Transitions VII: Low Z Materials

Grand H

Z5 First-Principles and MD IX: Energy Relaxation

Grand I/J

Z6 Inelastic Deformations, Fracture and Spall XI

Room 8/9/10