



First Announcement

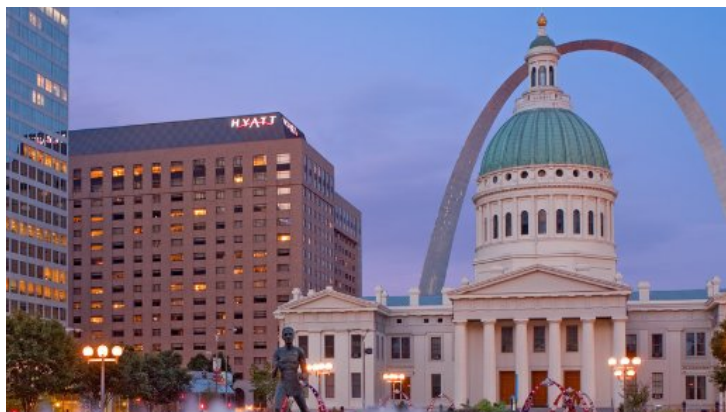
20th American Physical Society Topical Conference on Shock Compression of Condensed Matter

July 9-14, 2017

Hyatt Regency at the Arch
St. Louis, Missouri, USA

We are excited to announce that the 20th Biennial APS Shock Compression of Condensed Matter Conference will be held in St. Louis, Missouri, on July 9-14, 2017 at the Hyatt Regency St. Louis at the Arch. The conference hotel is situated in the heart of downtown St. Louis at the base of the Gateway Arch, immediately adjacent to the newly renovated Gateway Arch National Park.

St. Louis, located on the Mississippi River, is known as the Gateway to the West. Home to the St. Louis Cardinals and Anheuser-Busch, St. Louis is also one of the more family-friendly cities. Next to Washington, D.C. St. Louis offers the greatest number of free attractions, including their World-class Zoo, many museums, the Muny (St. Louis' outdoor amphitheater), and much more. Easily accessible by airplane and centrally located in the U.S., St. Louis will be a great venue for this Conference.



The scientific focus of the Conference will be on fundamental and applied research topics related to dynamic compression of condensed matter. This multidisciplinary field of research encompasses areas of physics, chemistry, materials, science, mechanics, geophysics, planetary science, and applied mathematics.

The conference will include both oral and poster presentations. In addition, a day-long student symposium will take place on Sunday, July 9, 2017.

Abstracts will be solicited for the following technical areas:

- Detonation and shock-induced chemistry
- Energetic and reactive materials
- Equations of state
- Experimental developments; diagnostics and loading techniques
- First-principles and molecular dynamics
- Geophysics and planetary science
- Grain-scale to continuum modeling
- High energy density physics / warm dense matter
- Inelastic deformations, fracture, and spall
- Materials science
- Particulate, porous, and composite materials
- Phase transitions
- Soft matter
- Ballistics studies
- Spectroscopy and optical studies
- Additional Focus Areas

We are currently soliciting ideas for Focus Areas; please forward your ideas to the Conference Co-Chairs.

Calendar of Events

- December 12, 2016 – 2nd Announcement and Call for Abstracts
- January 1, 2017 – Reservation, Registration, and Activity Information
- February 24, 2017 – Abstracts Deadline
- June 12, 2017 – Hotel Reservation Deadline and Early Registration Deadline
- July 9-14, 2017 – Conference

We invite you to save these dates, and next summer

Meet Me in St. Louis!

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SCCM-2017 Co-Chairs