



Dear colleague,

This invitation is being sent on behalf of Prof. Douglas **Bammann** (Mississippi State U.), Prof. John **Baumgardner** (Liberty U.), Prof. Kyle **Johnson** (Sandia National Laboratories), Prof. Brian **Jordon** (U. of Alabama), Prof. Nathaniel **Morgan** (Los Alamos National Lab), Prof. Raj **Prabhu** (Mississippi State U.), and Prof. Arunachalam **Rajendran** (U. of Mississippi), co-chairs of the **Horstemeyer International Symposium on Multiscale Material Mechanics and Sustainable Applications** which is dedicated to honoring the lifetime achievements of **Prof. Mark Horstemeyer**, a distinguished figure in the field of multiscale modeling and its applications in the weapons, automotive, geological, and astrophysics areas. This symposium will be held as part of SIPS 2020, an annual event that is deeply science-focused and industrial engineering-oriented, organized by the not-for-profit corporation FLOGEN Stars Outreach (www.flogen.org), which is dedicated to achieving sustainability through science and technology. It incorporates summit plenary lectures from well-known speakers that address the link between scientific and engineering domains in the pursuit of sustainable development, as well as specific science and engineering symposia that feature technical presentations with the same goals in mind. The symposium and overall summit are planned to be held in Phuket, Thailand from **November 29th – December 3rd 2020**.

We have confirmed until now the participation of the following **9 Nobel Laureates**: M. Stanley Whittingham (2019 Nobel Laureate), Didier Queloz (2019 Nobel Laureate), Dan Shechtman (2011 Nobel Laureate), Sir Konstantin Novoselov (2010 Nobel Laureate), Aaron Ciechanover (2004 Nobel Laureate), Avram Hershko (2004 Nobel Laureate), Kurt Wüthrich (2002 Nobel Laureate), Ferid Murad (1998 Nobel Laureate), and Sir Richard J. Roberts (1993 Nobel Prize); as well as Professor Subra Suresh (President of Nanyang Technological University and Former Director of National Science Foundation, USA) and Professor Donna J. Nelson (University of Oklahoma and 2016 President of the American Chemical Society), while others will be confirmed shortly.

Official webpage of **Horstemeyer International Symposium on Multiscale Material Mechanics and Sustainable Applications**: https://www.flogen.org/sips2020/Mark_Horstemeyer.php

Topics of the symposium are described here: <https://www.flogen.org/sips2020/summit.php?id=1>

Official SIPS 2020 webpage: <https://flogen.org/sips2020/>

Abstract submission link: https://www.flogen.org/sips2020/abstract_submission.php

As President of SIPS 2020, I am personally inviting you to participate as an author at this major symposium. If you prefer to deliver a presentation with a wider scope for one of the listed topics, or on a new specialized topic of your choice, we would be pleased to take it into consideration for a possible nomination as an

Invited or Keynote Lecture. In this case, please send us an email at the same address, which should indicate your interest and include a draft abstract.

The papers will be double peer reviewed and published in the official Publication entitled: “**Horstemeyer International Symposium on Multiscale Material Mechanics and Sustainable Applications**” containing ISBN and ISSN numbers. Furthermore, many papers will be subsequently published as part of special volume of relevant Journal dedicated to this symposium.

This symposium follows a rich tradition of similar symposia held as part of SIPS since 2003. An overview of the most recent events can be seen below:

- **2019 SIPS:** Paphos, Cyprus, October 2019: <https://www.flogen.org/sips2019/>
 - Video Summary: <https://www.flogen.org/sips2019//page.php?p=68>
- **2018 SIPS:** Rio de Janeiro, Brazil, November 2018: <https://www.flogen.org/sips2018/>
 - Video Impressions: <https://www.flogen.org/sips2018/page.php?p=68>
 - Final report: <https://www.flogen.org/sips2018/pdf/sips2018Report.pdf?p=48>
- **2017 SIPS:** Cancun, Mexico, October 2017: <http://www.flogen.org/sips2017/>
 - Impressions: www.flogen.org/sips2017/?gid=68
 - Final report: www.flogen.org/sips2017/pdf/sips2017Report.pdf
- **2016 SIPS:** Hainan Island, China, November 2016: www.flogen.org/sips2016/
 - Impressions from SIPS 2016: <https://www.youtube.com/watch?v=1HIFEVgiUaM>
 - Final report of SIPS 2016: <http://www.flogen.org/sips2016/pdf/sips2016-Report.pdf>
- **2015 SIPS:** Antalya, Turkey, October 2015: www.flogen.org/sips2015/
- **2014 SIPS:** Cancun, Mexico, July 2014: www.flogen.org/ShechtmanSymposium
- **2013 SIPS:** San Diego CA, USA, August 2013: <http://www.flogen.org/conferences.php?spage=7>
- **2011 SIPS:** Cancun, Mexico, November 2011: <http://www.flogen.com/FraySymposium/>
- **2006 Sohn Intl. Symp.:** San Diego, USA: <http://www.flogen.org/SohnSymposium/>
- **2003 Control Intl. Symp.:** Chicago, USA: <http://www.flogen.com/ControlSymposium/>
- **2003 Yazawa Intl. Symp.:** San Diego, USA: <http://www.flogen.org/YazawaSymposium/>

The symposium is the optimal conference to present your most recent work, listen to latest achievements of your colleagues, and interact with well-known experts from diverse fields of industry, academia, and politics. We hope your participation will enable your organization to improve efficacy, and implement the best sustainable research and industrial practices.

It would be a great pleasure to have you join us. We are looking forward to hearing from you.

Dr. Florian Kongoli
President
SIPS 2020 Organizing Committee

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