## Thematic Issue: Mechanics of Soft Materials and Soft Tissues

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Soft materials are materials that deform easily upon external forces. These include engineering materials, such as rubbers and thermoplastic elastomers, and soft tissues, such as arteries, skin and brain tissues. Understanding the finite deformation multiphyiscal behaviors of these materials and developing material constitutive models based on knowledge of the underlying material structure and deformation physics are critically important for engineering and biomedical applications.

The papers appearing in this special issue have their origins in the 4<sup>th</sup> Symposium on Mechanics of Soft Materials and Soft Tissues held at the 2008 Annual Conference of Society of Engineering Science (SES), Urbana-Champion, IL, October, 2008. The symposium on Mechanics of Soft Materials and Soft Tissues began in 2005 within SES and has seen a significant growth in participation. At the 2008 SES Annual Conference, 29 papers were presented in this symposium, evidencing the increasing interest in the research on soft materials in mechanics community.

The guest editors would like to convey their appreciation to Dr. Richard Hall of Air Force Research Lab and Dr. Arun Srinivasa of Texas A&M University for suggesting this special issue, and in particular to Dr. Sivakumar Srinivasan for facilitating the coordination between the guest editors and publishers. Finally, we would like to thank the authors for their essential contributions to making this special issue and the symposium success.

*H. Jerry Qi and Thao (Vicky) Nguyen* Guest Editors of this issue IJSCS