

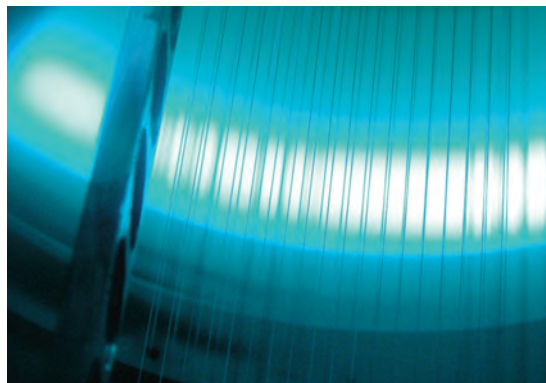
CALL FOR PAPERS

The Fiber Society invites submissions of original research papers related to the science and engineering of fibers and fibrous materials for oral and poster presentations. Online submission will be accepted beginning December 1, 2011. Access the Fiber Society website at www.thefibersociety.org and follow the link for submission. Guidelines for all contributions are provided online. **Submission deadline is February 29, 2012.**

Notification of acceptance: Not later than March 30, 2012

SCIENTIFIC COMMITTEE

Prof. Dominique Adolphe, Université de Mulhouse, France
Prof. Ashwini Agrawal, Indian Institute of Technology, India
Dr. Chi-chung Bai, Taiwan Textile Research Institute, Taiwan
Prof. Chokri Cherif, TU Dresden, Germany
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Prof. Urs Meyer, Emeritus Professor ETH Zurich, Switzerland
Dr. René Rossi, Empa, Switzerland
Prof. Paul Smith, ETH Zurich, Switzerland
Prof. Gang Sun, UC Davis, CA, USA
Prof. Yusuf Ulcay, University of Uludag, Turkey
Prof. Yimin Wang, Donghua University, China



REGISTRATION

Online abstract submission beginning December 1, 2011.
Online conference registration beginning March 1, 2012.
Final registration for non-presenters is May 13, 2012.
For online registration and registration conditions please consult the website www.thefibersociety.org.

FURTHER INFORMATION

Up-to-date information about the conference, hotel accommodations, travel, and more is available at Empa's conference website fs2012.empa.ch. You may find more information about the Fiber Society, including past and future meetings, at the website www.thefibersociety.org.

Location Empa
Lerchenfeldstrasse 5, St. Gallen, Switzerland

St. Gallen is one hour by car or train from Zurich Airport. Direct trains are available twice per hour.

Contact Brigitte Niepoort
Empa, Laboratory for Advanced Fibers
Phone +41 58 765 71 26
Fax +41 58 765 78 62
brigitte.niepoort@empa.ch

Scientific program
Dr. Rudolf Hufenus
Empa, St. Gallen, Switzerland
Phone +41 58 765 73 41
rudolf.hufenus@empa.ch

The Fiber Society, abstract submission
Pam Gabriel
NC State University, Raleigh NC, USA
Phone +1 919 513 0143
Fax +1 919 515 3057
psgabrie@ncsu.edu



The Fiber Society Spring 2012 Conference

Fiber Research for Tomorrow's Applications



Empa, St. Gallen, Switzerland
May 23–25, 2012

Further information fs2012.empa.ch

INTRODUCTION

Though textile history is millennia-old, the potential for innovative products has hardly been exhausted. High-tech textiles rely on the continuous development of new fiber raw materials and processing techniques. For textiles to remain high value-added products, ongoing research efforts are needed, as well as a strong cooperation of science and manufacturing. The goal of this conference is to provide an exchange platform for chemists, physicists, and engineers, with interests in the field of fiber science and technology. Its further intention is to offer industry an insight into current research topics relevant for tomorrow's applications.

TOPICS

The topics of this multidisciplinary conference «Fiber Research for Tomorrow's Applications» will cover:

- new polymers/materials for fibers
- fiber development, processing and characterization
- fiber-related bio- and nanotechnology
- technical textiles/composites
- smart textiles
- comfort/health
- fashion/apparel

Some 70 oral presentations by polymer and fiber scientists from all over the world are expected, framed by keynote speeches held by outstanding researchers in the field of fiber science. The language of the conference is English.

KEYNOTE SPEAKERS

Dr. Phillip Gibson, Natick, USA

Dr. René Rossi, Empa, Switzerland

Modeling of Thermal Comfort: From Microscale to Macroscale

Prof. Martin King, NC State University, USA

The Contribution of Biotextiles to Human Health

Prof. Vladan Koncar, Ensait, France

Textile Electronics – Flexible Circuits

Prof. Urs Meier, Empa, Switzerland

R&D Needs for Advanced Fibrous Composites in Construction

Prof. Thomas Scheibel, University Bayreuth, Germany

Inspired by Nature: Proteins as Biopolymers for Fiber Applications

Appenzell, Säntis



St.Gallen, Cathedral



VENUE

The venue of the conference is Empa in St.Gallen, Switzerland. St.Gallen's linen-based textile industry dates back to the 15th century. During the industrial revolution it played a pioneering role in the mechanization of the textile industry. It became known for its embroideries, which still enjoy an international reputation. St. Gallen is the center of Eastern Switzerland, situated between historic Appenzell and picturesque Lake of Constance. Its old town with the Cathedral and Abbey's Library has been declared an UNESCO world heritage site.

ORGANIZATION

The Fiber Society, a nonprofit professional and scientific association founded in 1941, advances scientific knowledge pertaining to fibers, fiber-based products, and fibrous materials, by providing bi-annual conferences. May 23–25, 2012, the conference will be organized and hosted by Empa, the Swiss federal research institution for material sciences and technology development within the ETH Domain. Empa's R&D activities link together applications-oriented research and the practical implementation of new ideas, science, and industry. The conference will once more confirm the long term commitment of Empa to textile research. Dr. Rudolf Hufenus, Advanced Fibers, and Dr. René Rossi, Protection and Physiology, are responsible for the management of this conference.

Empa, St. Gallen



Empa's Physiology Lab

