

# materials

## mission

The **Materials Interest Group (MIG)** was formed to stimulate and expand the collective knowledge of materials professionals in the development of new materials related to the fiber/fiber products industries via innovative modifications of existing structures and/or creation of unique compositions of matter. The Group is focused on fiber based materials (both traditional and non-traditional) and new chemicals/colorants synthesized to enhance them.

## about

### AATCC

AATCC is a leader in education, technology transfer, and test method development for the textile design, wet processing, and materials industries. The organization is dedicated to education, technical applications and research, and communication. For more information about AATCC, visit [www.aatcc.org](http://www.aatcc.org).



# join **AATCC**

today and get involved in the **Materials Interest Group**

Members save money on all publications, meetings, and educational programs. Your return on investment is often considerably greater than the annual membership dues.

Enroll online by visiting

**[www.aatcc.org](http://www.aatcc.org)**

or contact:

**AATCC Membership Services Department**

One Davis Drive  
P. O. Box 12215  
Research Triangle Park,  
North Carolina 27709-2215 USA  
Telephone (919) 549-8141  
Fax (919) 549-8933

Dedicated to the  
**CREATION**  
of Innovative  
Chemical,  
Polymer  
**AND**  
Fiber Based  
**MATERIALS**



## WHO SHOULD JOIN

- Materials Researchers and Developers (Academic, Industrial)
- Materials and Synthetic Chemists/Scientists
- Fiber/Fiber Products Manufacturers
- Fiber Colorant/Chemical Manufacturers
- Entrepreneurs
- Lab Personnel
- Production Managers, Manufacturing Engineers, and Quality Assurance Personnel
- Anyone interested in delivering new and improved materials for the global consumer!

## AREAS OF INTEREST

Examples of topics addressed at recent Materials Interest Group educational events and meetings include:

- Innovative fibers and fabrics for high performance, protective applications, and a healthier lifestyle
- Bacterial resistance and antimicrobial treated products
- Antibiotic uptake and release from textile materials
- Non-traditional medical textile implants
- Face mask advancements for safety from biological threats
- Flame retardant technologies
- Textile coating enhancements
- Improvements in firefighter and first-response protective clothing
- Sensor networks and i-textiles

- Electrospun magnetic nanofibers with anti-counterfeiting applications
- Adding carbon nanotubes to polymeric fibers
- Novel fiber product constructions (woven, knit, nonwoven, carpet, etc.)

## ACTIVITIES & RESOURCES

- **Education Programs** – Courses in practical processes and production and workshops dedicated to design and product development are offered for continuing professional development.
- **Publications** – *AATCC Review* covers all aspects of the textile industry from initial design to end-use performance, including coverage of Materials Interest Group issues. Members also have access to an online archive of *AATCC Review*. The monthly electronic newsletter, *AATCC News*, includes original features, test method development news, and upcoming events.
- **International Conference & Exhibition (IC&E)** AATCC's annual international gathering of industry professionals includes presentations, influential speakers, and product exhibits. The conference provides a rare opportunity for design, research, development, and production professionals to come together and collaborate on common concerns.
- **Committee Activities** – AATCC's unique technology and research committees enable you to join your peers in addressing specific issues of in-

dustry-wide concern. Your work with these committees gives you direct impact on materials test method development and on the industry.

- **Geographical Section Meetings** – Exchange ideas with people who speak your language! A broad range of topics related to day-to-day challenges is covered, from trends to technology and beyond.
- **Website** – Test methods, programs, conferences, publications, committee activity, educational materials, and membership news can be found on the AATCC website.
- **Student Activities** – AATCC welcomes students from around the globe. Students pay significantly reduced membership fees and receive the electronic version of *AATCC Review*. The Association has developed a number of activities especially for students, including the Herman & Myrtle Goldstein Student Paper Competition and new design competitions for textile design and engineering students. Start your career by participating in AATCC!

## IT'S WHO YOU KNOW

Through AATCC's global network of members you can meet other materials professionals around the world who work in your fields of interest. Gain new perspectives on responsibilities, share ideas, and seek creative solutions to similar problems.

Interested in learning more? Visit us online:  
[www.aatcc.org](http://www.aatcc.org)

