

FIFTH INTERNATIONAL CONFERENCE ON

SELF-HEALING MATERIALS



JUNE 22-24, 2015

Durham Convention Center
Durham, North Carolina
U.S.A.



Sponsoring Brochure:
"An Invitation to Industry"

ICSHM2015 FOUNDING SPONSORS



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL



Netherlands Enterprise Agency

FIFTH INTERNATIONAL CONFERENCE ON

SELF-HEALING MATERIALS

JUNE 22-24, 2015

Durham Convention Center
Durham, North Carolina
U.S.A.

Conference Website:
icshm2015.pratt.duke.edu



CONFERENCE HOTEL

The Durham Marriott Hotel
IMMEDIATELY ADJACENT TO THE
CONFERENCE VENUE

[marriott.com/hotels/travel/
rducv-durham-marriott-city-
center/](http://marriott.com/hotels/travel/rducv-durham-marriott-city-center/)

CONFERENCE VENUE

**The Durham
Convention Center**

310 West Morgan Street
Durham, NC 27701
U.S.A.

CONFERENCE SECRETARIAT

For all questions about sponsoring
and for questions regarding
general matters of the conference,
please contact the conference
secretariat:

Ms. Sara Faust

Tel: + 1 919-660-5206

Fax: +1 919-660-5362

Email: icshm2015@duke.edu

Web: icshm2015.pratt.duke.edu

WELCOME



On behalf of the Organizing Committee of the Fifth International Conference on Self-Healing Materials (ICSHM2015), we cordially invite you to attend this unique event to be held in Durham, NC, U.S.A., from 22 June - 24 June, 2015.

ICSHM is a biennial conference focusing on advances in self-healing materials science, engineering, and technological applications. Since its first edition in 2007, the mission of this conference has been to provide a high-level international platform for the field of self-healing materials. ICSHM attracts a diverse, multidisciplinary group of scientists and engineers from around the world and provides a venue for reporting and observing the current state of the art and research results in the field. The conference provides a welcome environment for a mixture of academic, government and industrial researchers, managers, and policy makers.

By attending the ICSHM2015 you will learn about the latest developments in self-healing and meet with the top scientists and engineers in our field, all while enjoying the opportunities offered by the Durham experience in the summer of 2015.

We hope you will take this opportunity to combine the exceptional technical opportunities offered by ICSHM2015 with the possibility of presenting your products, services and latest developments in self-healing and related fields.

We look forward to seeing you in Durham–North Carolina’s Bull City!

A handwritten signature in black ink, appearing to read "W. Reichert", is positioned above the name of the Program Chair.

WILLIAM "MONTY" REICHERT, PH.D.

ICSHM2015 Program Chair

SCHEDULE (TENTATIVE)

DAY 0

Sunday, 21 June 2015

Registration / Information	5:00 PM - 7:00 PM
Welcome Reception	7:00 PM - 9:00 PM

DAY 1

Monday, 22 June 2015

Scientific Program	9:00 AM - 6:00 PM
Poster Session & Reception	6:00 PM - 8:00 PM
Food Truck Rodeo	8:00 PM - 10:00 PM

DAY 2

Tuesday, 23 June 2015

Scientific Program	9:00 AM - 6:00 PM
Conference Dinner	6:30 PM

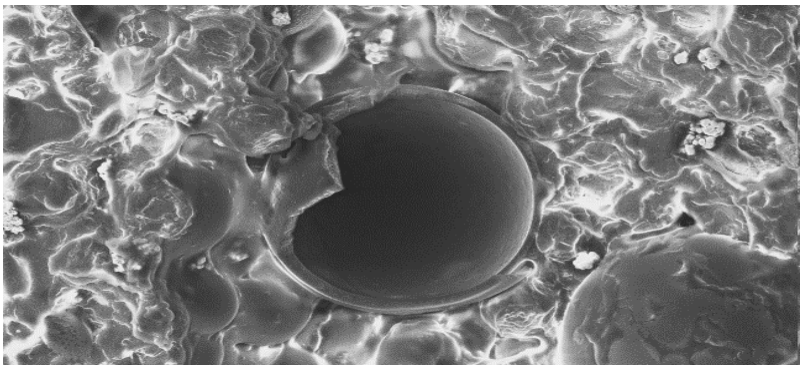
DAY 3

Wednesday, 24 June 2015

Scientific Program	9:00 AM - 5:00 PM
End of Conference	5:00 PM

*Note: This program is subject to change.

Fractured microcapsule in self-healing bone cement



TOPICS

The scope of ICSHM2015 encompasses all classes of self-healing materials including polymers, ceramics, metals, and composites, while bio-inspiration serve as model systems that guide research in the emergent field of self-healing. A broad spectrum of industries are impacted and represented by the field including aerospace, automotive, transportation, microelectronics, architecture, electronics, medicine, and manufacturing.

Based on local expertise, at ICSHM2015 we will introduce the community to the newly emerging field of self-healing biomaterials and biomedical implants. Other features of ICSHM2015 will include the continuation of the student travel and poster contest awards, as well as planned and self-initiated opportunities to experience cultural and recreational features of Durham and the surrounding region.

ICSHM2015 will follow the tradition of maximizing the interaction between participants of different disciplines and offering a complete overview of the developments in the field. Potential session topics include:

- Cementitious materials
 - Thermoplastic/thermoset polymers
 - Hydrogels
 - Supramolecular polymers
 - Fiber-reinforced composite materials
 - Coatings & paints
 - Metallic materials
 - Functional applications
 - Microvascular systems
 - Bio-inspired materials
 - Biomaterials & biomedical implants
 - Mechanochemical response
 - Materials characterization
 - Modeling & numerical analysis
 - Societal impact
 - Instruction in self-healing materials
-

PLENARY SPEAKERS



Nele De Belie
Ghent University
Self-Healing
Cementitious Materials



Nancy Sottos
University of Illinois
Self-Healing &
Mechanoresponsive
Polymers



Zhibin Guan
University of California
at Irvine
Self-Healing
Nanocomposites



Jian Ping Gong
Hokkaido University
Sapporo
Self-Healing Hydrogels

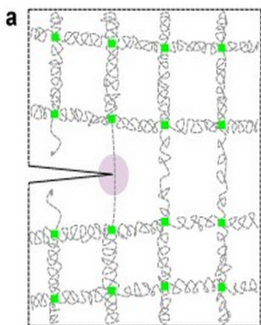


Joanna Aizenberg
Harvard University
Bioceramics &
Nanocomposites

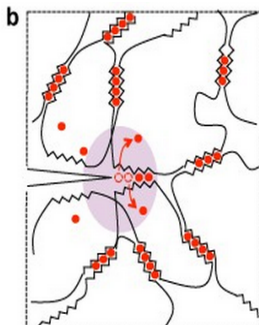


Rint Sijbesma
Technical University
Eindhoven
Mechanoactive Polymers

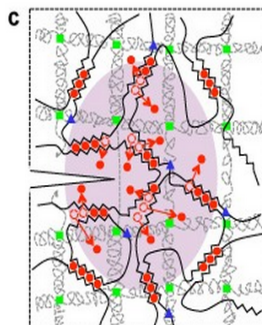
Highly stretchable tough hydrogels



Polyacrylamide gel alone



Alginate gel alone



Hybrid gel

EXECUTIVE ORGANIZING COMMITTEE



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PROGRAM CONTACT INFORMATION

Email: icshm2015@duke.edu

Tel: +1 919 660-5206

Web: icshm2015.pratt.duke.edu

SPONSORSHIP GUIDELINES

The Organizing Committee of ICSHM2015 fully acknowledges that each company has individual requirements and therefore will be happy to tailor sponsorship opportunities and offer a shopping list that may complement your company's marketing profile and objectives.

Sponsor opportunities

Participating companies are free to define their sponsorship amount and will receive benefits and acknowledgements in recognition of their generous support, according to the overall level of sponsorship. All sponsors, regardless of the sponsoring amount, will receive acknowledgement by publication of the company name, logo and company link on the conference website. The company logo will also be published in the Final Program & Abstracts book.

Sponsoring & exhibition

If you are sponsoring the ICSHM2015 and your sponsorship amount is \$10,000 or more, the conference is willing to offer you a maximum stand space of 6 sqm

(3 x 2m = 9 x 6 ft) in the general area of the conference, plus one complimentary full conference registration. This space may be used to present your products, services and the latest developments to the conference attendees.

Exhibition location and hours

The exhibition will be held in the Durham Marriott and Convention Center. The exhibition space will be combined with the poster area and will be located near the session rooms and all the coffee breaks.

Decisions regarding allocation of space will be made by the organizers on a first come-first served basis and on receipt of payments.

Exhibition area

The maximum area of a stand space includes:

- 6 sqm exhibition space only
- 1 x table
- 2 x chairs
- 1 x electricity point

If you have your own stand construction (whether designed or pop-up walls), the following guidelines should be followed:

An approval for booth design must be submitted to Ms. Sara Faust before 1 April 2015 (icshm2015@duke.edu, +1 919 660-5206)

Sponsor is responsible for the shipment/delivery of materials.

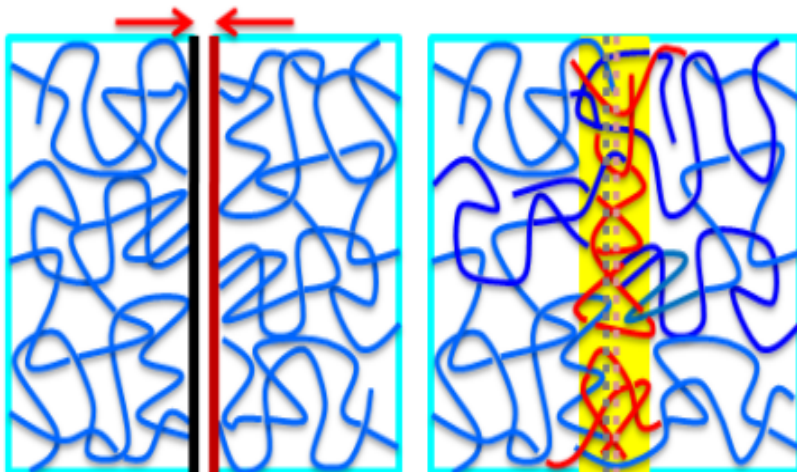
Free Registration

If your sponsor amount is \$10,000 or more, 1 Full Conference Registration will be offered to you complimentary. To complete this registration you will be provided with a special registration form in hard copy after finalization of agreement and payment.

Additional services

Additional services may be possible upon request. All charges for additional services are the sole responsibility of the sponsor.

Reversible polymer chain interpenetration



SPONSOR SHOPPING LIST

ICSHM2015

Company Name _____

Contact Person _____

Address _____

State / Zip _____

Telephone _____

E-mail _____

Website _____

We want to sponsor the following items to be distributed to conference registrants:

Code	Sponsor item		Amount USD	✓
1A	Sponsorship acknowledgement on front cover	Final program	\$4,000	
1B	Sponsorship acknowledgement on inside back cover	Final program	\$2,500	
1C	Sponsorship acknowledgement on inside front cover	Final program	\$2,500	
1D	Sponsorship acknowledgement on inside page	Final program	\$1,500	
1E	Participants list	Included in bag	\$2,500	
1F	Abstract CD-ROM	Included with final program book	\$25,000	
2A	Conference bags	With company logo	\$5,000	
2B	Notepads and pens	With company logo	\$4,000	
2C	Insert in conference bag	With company logo	\$1,000	

We want to sponsor the following services:

Each includes logo and company acknowledgment at the event.

Code	Sponsor item		Amount USD	✓
3A	Welcome reception	Sunday 21 June	\$7,500	
3B	Tea/coffee break	1. Monday 22 June	\$5,000	
		2. Tuesday 23 June	\$5,000	
		3. Wednesday 24 June	\$5,000	
3C	Lunch breaks	1. Monday 22 June	\$3,500	
		2. Tuesday 23 June	\$3,500	
		3. Wednesday 24 June	\$3,500	
3D	Poster session & reception	Monday 22 June	\$7,500	
3E	Conference dinner	Tuesday 23 June	\$20,000	

Signature / Date _____

After having received this Sponsorship Form, the conference organizers will provide you with a sponsoring agreement to be signed and an invoice for payment.

EXHIBITOR AGREEMENT FORM

ICSHM2015

Company Name _____

Contact Person _____

Address _____

State / Zip _____

Telephone _____

E-mail _____

Website _____

We are interested in sponsoring the ICSHM 2015 conference for an amount of:

Sponsor amount \$ _____

As we sponsor an amount of \$10,000 or more we will be offered an exhibition space.

Space only, 9 square meter: includes 1 table, 2 chairs, and 1 electricity point.

We will use offered space and materials only: YES / NO

We will bring our own stand construction and might need extra additional materials/services to be ordered with venue at our own account: YES / NO

We will exhibit the following products/documents/services:

Signature / Date _____

After having received this Exhibition Agreement Form, the conference organizers will send you a contract to be signed and an invoice for payment. Decision regarding allocation of space will be made by the organizers and will be handled on a first come, first served basis and on receipt of payment.



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Please feel free to post or forward this brochure.