**Keynote Session 1**

4:30pm-6:30pm

- Development of new repair materials with self-healing capability for water leakage cracks
- Self-healing concrete based on bacteria and nutrients immobilized by ceramsite
- Isolation and identification of a calcium-precipitating bacterium and optimization of influential factors
- Rapid quantification of viable spore of concrete self-healing bacteria by a simple spectrophotometric method
- Microscopic healing evaluation on reversible covalent polymer network systems
- Tracing Self-Healing Through Raman Spectroscopy and Micro-CT
- Can Repeatable Self-Healing Be Achieved in Cementitious Materials?
- Bio-Inspired stimuli responsive reversible actuation for selective growth
- Application Road Map of Self-Healing Ceramics
- Self-healing of creep damage in Fe-Au and Fe-Au-B-N alloys
- Self-healable and recyclable crosslinked polymer via disulfide metathesis reaction
- Encapsulated mineral precursors for self-healing cement based composites
- Self-healing of Cementitious Composites via Pelletisation of Mineral Admixtures
- Chelation-assisted CuAAC of star-shaped polymers enables fast self-healing at low temperatures.
- Thermally-Healable Crosslinked Epoxidized Natural Rubber
- Fracture Characterization of Self-Healing Dental Composites
- Targeting Failure Mechanisms with Self-healing Strategies

**Keynote Session 2**

3:30pm-3:45pm

- Effect of different curing agents on the friction behavior of an epoxy skeleton for microporous underwriter dies
- Effect of residual compression on the self-healing potential of star-shaped polymers
- Can self-healing be achieved in cementitious materials?
- Microscopic healing evaluation on reversible covalent polymer network systems
- Tracing Self-Healing Through Raman Spectroscopy and Micro-CT
- Can Repeatable Self-Healing Be Achieved in Cementitious Materials?
- Bio-Inspired stimuli responsive reversible actuation for selective growth
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- Fracture Characterization of Self-Healing Dental Composites
- Targeting Failure Mechanisms with Self-healing Strategies

**Keynote Session 3**

3:00pm-3:15pm

- Effects of high剪切 strain amplitude on the self-healing efficiency of epoxy-based self-healing materials
- Effects of the temperature on the mechanical behavior of self-healing ceramics
- Mechanochromism of Diarylbibenzofuranone-based Dynamic Covalent Polymers
- Mechanochemistry in Glassy Polymers: Experiments and Simulations on Spiropyran-linked Poly(methyl methacrylate)
- Can Repeatable Self-Healing Be Achieved in Cementitious Materials?
- Bio-Inspired stimuli responsive reversible actuation for selective growth
- Application Road Map of Self-Healing Ceramics
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**Poster Session 1**

2:00pm-4:00pm

- Microscopic healing evaluation on reversible covalent polymer network systems
- Tracing Self-Healing Through Raman Spectroscopy and Micro-CT
- Can Repeatable Self-Healing Be Achieved in Cementitious Materials?
- Bio-Inspired stimuli responsive reversible actuation for selective growth
- Application Road Map of Self-Healing Ceramics
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- Self-healable and recyclable crosslinked polymer via disulfide metathesis reaction
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**Poster Session 2**

1:00pm-3:00pm

- Effects of high剪切 strain amplitude on the self-healing efficiency of epoxy-based self-healing materials
- Effects of the temperature on the mechanical behavior of self-healing ceramics
- Mechanochromism of Diarylbibenzofuranone-based Dynamic Covalent Polymers
- Mechanochemistry in Glassy Polymers: Experiments and Simulations on Spiropyran-linked Poly(methyl methacrylate)
- Can Repeatable Self-Healing Be Achieved in Cementitious Materials?
- Bio-Inspired stimuli responsive reversible actuation for selective growth
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**Poster Session 3**

11:00am-1:00pm

- Effects of high剪切 strain amplitude on the self-healing efficiency of epoxy-based self-healing materials
- Effects of the temperature on the mechanical behavior of self-healing ceramics
- Mechanochromism of Diarylbibenzofuranone-based Dynamic Covalent Polymers
- Mechanochemistry in Glassy Polymers: Experiments and Simulations on Spiropyran-linked Poly(methyl methacrylate)
- Can Repeatable Self-Healing Be Achieved in Cementitious Materials?
- Bio-Inspired stimuli responsive reversible actuation for selective growth
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- Targeting Failure Mechanisms with Self-healing Strategies

**Poster Session 4**

9:00am-11:00am

- Effects of high剪切 strain amplitude on the self-healing efficiency of epoxy-based self-healing materials
- Effects of the temperature on the mechanical behavior of self-healing ceramics
- Mechanochromism of Diarylbibenzofuranone-based Dynamic Covalent Polymers
- Mechanochemistry in Glassy Polymers: Experiments and Simulations on Spiropyran-linked Poly(methyl methacrylate)
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**Poster Session 5**

7:00am-9:00am

- Effects of high剪切 strain amplitude on the self-healing efficiency of epoxy-based self-healing materials
- Effects of the temperature on the mechanical behavior of self-healing ceramics
- Mechanochromism of Diarylbibenzofuranone-based Dynamic Covalent Polymers
- Mechanochemistry in Glassy Polymers: Experiments and Simulations on Spiropyran-linked Poly(methyl methacrylate)
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**Poster Session 6**

5:00am-7:00am

- Effects of high剪切 strain amplitude on the self-healing efficiency of epoxy-based self-healing materials
- Effects of the temperature on the mechanical behavior of self-healing ceramics
- Mechanochromism of Diarylbibenzofuranone-based Dynamic Covalent Polymers
- Mechanochemistry in Glassy Polymers: Experiments and Simulations on Spiropyran-linked Poly(methyl methacrylate)
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- Targeting Failure Mechanisms with Self-healing Strategies
Chloridion-triggered microcapsule for self-healing concrete

The effect of polymeric microcapsules on the mechanical properties of cementitious materials

Investigation into mechanical performance of a signal DCP/PF microcapsule with nanoindenter

Determination of the rupture stress of a microcapsule and the Young’s modulus of its shell materials by nanoindentor

Chloridion response of the microcapsule shelled with polystyrene-cuprous chloride composite

The mechanical properties of DCP/PF microcapsule

Fabrication and characterization of chloridion-triggered capsules

Characterization of a self-healing system in cementitious materials with calcium oxide microcapsules

Determination of the rupture stress of a microcapsule and the Young’s modulus of its shell materials by nanoindentor

Ideal material properties for capsules or vascular use in cementitious self-healing materials

Comparative Study on Different Polymer Tubes as Carriers of Healing Agent for Self-Healing Concrete

Flow Characteristics of Autogenic Healing agents in Cementitious Materials

Porosity Change and Crack Self-Healing of Cementitious Materials by Carbonation Reaction

Feasibility study on the surface treatment repair method using crack self-healing technology for improving concrete structures