

# IRC 2025

BANGKOK, THAILAND

1-3 December 2025



## International Rubber Conference Organisation (IRCO) & National Research Council of Thailand (NRCT) Student Prizes



## IRCO & NRCT Student Prizes for Best Oral Presentation

### First Prize

**Lam Ba Nguyen**

Nagaoka University of Technology, Japan

“Critical Concentration of Primary Amines for Preparation of Vulcanized Deproteinized Natural Rubber with Outstanding Mechanical Properties”



### Second Prize

**Sarah Pedroni**

Queen Mary University of London, United Kingdom

“Microstructural Modelling of Carbon Black Aggregates for Sustainable Next-Generation Tyre Design”



### **Third Prize**

**Sofia Butenko**

EMPA, Switzerland

“Impact of Fused Filament Fabrication and Processing Parameters on the Performance of BaTiO<sub>3</sub>-Piezoelectric Composites for Soft Robots”



### **Recommended Prize**

**Katerina Filzer**

University of Twente, the Netherlands

“How Microcapsule-Enhanced Rubber Can Help Creating a Circular Economy”



## IRCO & NRCT Student Prizes for Best Poster

### First Prize

#### ***Xinglong An***

South China University of Technology, China

“Facile and Efficient Preparation of Functionalized Diene–Elastomers via Dynamic Covalent Polymerisation”

### Second Prize

#### ***Pritish Raj Shukla***

Birla Institute of Technology and Science– Pilani, K.K. Birla Goa Campus, India

“Effective Degradation of Waste Tyre Rubber Using a Specific Treatment Process: A Chemi–Biological Method”



### Third Prize

#### ***Koudai Tanino***

Kyoto University, Japan

“Texture Evolution and Mechanical Response of Cholesteric Liquid Crystal Elastomers with a Lying Helix Structure”





## Recommended Prize

### ***Nana Tsuji***

Kyoto Institute of Technology, Japan

“Short-term Surface Nanostructure Change of Biodegradable Polyester Thin Films by Seawater Immersion Treatments”

