UNIVERSITÀ DEGLI STUDI DI TRIESTE

Dipartimento di Ingegneria e Architettura

3FIRES

Research on BIPV Photovoltaic Facades for Fire Spread Mechanisms, Structural Failures and Resilience Improvement Methodologies

Final Workshop
October 6th, 2025

University of Trieste
Sala Atti "Bachelet"

9.15	Welcome & Coffe
9.45	**Chiara Bedon (PI)** – 3FiRES Particular Relevance Italy-China bilateral project **Yu Wang (PI)** – 3FIRES project progress from China side
10.00	**Andrea Lucherini** (Slovenian National Building and Civil Engineering Institute (ZAG), Slovenia) – "Current advances into understanding the fire performance of BIPV modular units"
10.30	**Riccardo Del Bello & Lorenzo Veronese** – "Simulation strategies for BIPV modular units in fire"
10.45	**Yiyang Hu** – "How glass surface fracture governs the ignition and burning in single-glazed monocrystalline PV panels"
11.00	**Liaoying Zhou** (online) – "Comparative study of laminated glass thermal failure under tension and compression"
11.15	**Chengming Xiao** – "Large-scale experimental study of thermal breakage and fallout of BIPV in an enclosure fire"
11.30	**Rui Zhou** – "Experimental study on the fire response of photovoltaic double-skin façades"
11.45	**Mariacristina D'Oria, Elisabetta Nascig, Michela Lupieri** – "We are all children of the sun": Architecture and solar design
12.00	**ALL** – "Question time, discussion and future actions"
12.30	Closing

Registration: by e-mail (riccardo.delbello@dia.units.it), with object "3FiRES workshop", to confirm the attendance in presence. Online attendance (MS Teams) is also possible, upon registration.
Deadline: September 28th (15.00 Rome time)

Ministry of Foreign Affairs and International Cooperation

中华人民共和国科学技术部
Ministry of Science and Technology of the People's Republic of China

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