



Session description

Chairman name: Dr. Claudio Mingazzini

Affiliation: ENEA, Italy

Title of the session: Transition from traditional to ecofriendly structural material: a multidisciplinary emerging issue.

Objectives: The session will be devoted to the emerging issues linked to sustainable economic development and renewable energy production, starting with talks about the development of new recyclable composites, structural materials for weight reduction, fire-resistant solutions obtained exploiting secondary raw materials. The session will also cover the related issues of mechanical and functional performance evaluations in expected working environments (including accelerated ageing tests), semifinished-materials development, upscaling up to mass-production and end-of-life treatments.