



2nd EFAST Workshop Reliable Testing of Seismic Performance

within EFAST project (Design Study of a European Facility for Advanced Seismic Testing)

29-30 June 2011, Ispra, Italy

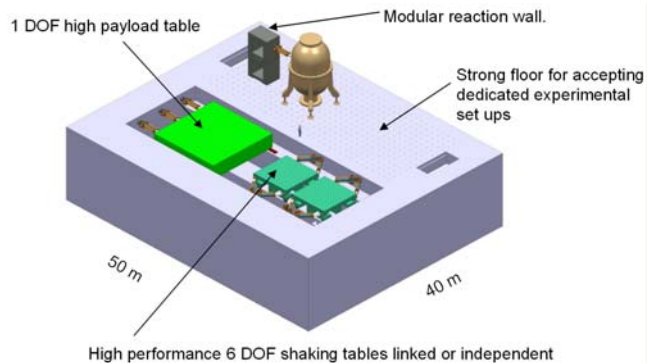
Objectives

During the 2nd EFAST Workshop the project partners will present the preliminary design of the proposed new seismic testing facility as the result of the work conducted during the whole project. Some 30 experts from all over the world will contribute with their experience and will discuss the most important features of the proposed solution, also taking into account the conclusions coming from the 1st EFAST workshop held in 2009 at the beginning of the project.

This workshop will be held jointly with the 4th AESE conference on Advances in Experimental Structural Engineering (<http://elsa.jrc.ec.europa.eu/4AESE>) sharing some of the sessions in common.

EFAST project

EFAST (Design Study of a European Facility for Advanced Seismic Testing) is a joint project financed by the European Commission that foresees the study of all the aspects regarding the design of a major testing facility in Europe that would complement and collaborate with the existing ones. This study aims at identifying the current and future needs in the field, and proposes the concept of a facility using the best testing technologies.



Schematic lay-out of a new European level facility

Some of the proposed topics of the presentations

Design aspects of the proposed new testing facility including networking and costs

Role of large-scale shaking table testing

Control of shaking tables

Construction of a multiple shaking-table system

Experience of the NEES Network

Application of centrifuge testing

Activities at the network related to simulation, cyberinfrastructure and education/outreach

Interest of seismic tests for administrations and users

Real time hybrid testing application

Dynamic identification of existing buildings

Provisory list of invited participants

Alvaro Alonso	Yoshito Itoh	Andrew Plummer
Vincent Besson	Pierre Labbé	Julio Ramirez
Philippe Bisch	Patrick Laplace	P. Benson Shing
Tony Blackborough	Roberto Leon	Pierre Sollogoub
Stathis Bousias	Xilin Lu	Haluk Sucuoglu
Oreste Bursi	Stephen Mahin	Colin Taylor
Michele Calvi	Nikos Makris	Bradford Thoen
Eduardo Carvalho	Agostino Marioni	Keh-Chyuan Tsai
Ema Coelho	Jacky Mazars	Francois Voldoire
Mauro Dolce	Federico Mazzolani	Glen Wardrop
Calude Dumoulin	Masayoshi Nakashima	Helmut Wenzel
Michail Fardis	Alain Pecker	Roko Zarnic
Bruno Fazzari	Paolo Pinto	Fang Zhong

EFAST partners

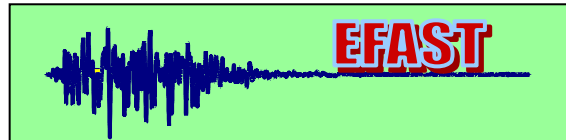
CEA - French Atomic Energy Commission,
Seismic Mechanic Study Laboratory -
France (coordinator)

ELSA – European Laboratory for Structural
Assessment of Joint Research Centre of the
European Commission - Italy

“Gh. Asachi” Technical University of Iasi -
Romania

University of Kassel – Germany

Eucentre - European Centre for Training and
Research in Earthquake Engineering - Italy



Design Study of a European Facility for Advanced Seismic Testing
<http://efast.eknowrisk.eu/>

Organisers

The Workshop is jointly organised by the JRC in
collaboration with all the partners of EFAST
project.

Contacts

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of the European Commission*