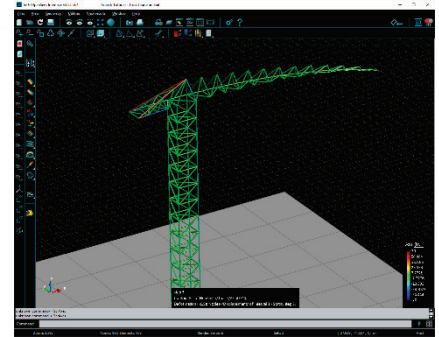


GiD+OpenSees Interface

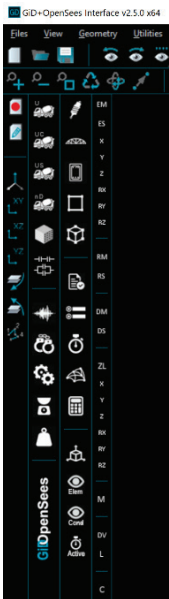
A recently developed problemtype for GiD, which provides a seamless connection to the popular finite element framework OpenSees, for simulating the seismic response of structural and geotechnical systems. It is developed at the Lab of R/C and Masonry Structures, School of Civil Engineering, Aristotle University of Thessaloniki, Greece and it is available as open source.

<http://gidopensees.rclab.civil.auth.gr>



Course objectives

Within the framework of the GiD Convention 2018, this short course introduces the basics of working with OpenSees within the GiD graphical environment. Presented by Prof. V.K. Papanikolaou, coordinator of the interface development team.



Addressed to

Undergraduate and postgraduate Civil Engineering students and Civil Engineering professionals who wish to acquire basic knowledge on using OpenSees within the GiD pre/postprocessing environment.

Program

Session 1 (08:30 – 10:30) – Introduction

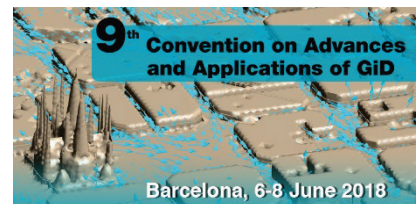
- Interface installation and walkthrough.
- Example A : Modeling and postprocessing of a simple elastic truss structure.

Session 2 (11:00 – 13:00) – Getting nonlinear

- Example B1 : Analyzing a plane frame structure under dynamic (seismic) excitation.
- Example B2 : Adding a soil substrate to simulate soil-structure interaction (SSI) effects.

Location and dates

This half-day course is part of the GiD Convention 2018 (Barcelona, from 6 to 8 June) and it will be held on **June 8th from 8:30 to 13:00** at the North Campus UPC (building/room will be announced soon).



More information

GiD+OpenSees interface on GitHub : <https://github.com/rclab-auth/gidopensees/wiki>

User manual : [https://github.com/rclab-auth/gidopensees/blob/master/doc/GiD%2BOpenSees Interface User Manual.pdf](https://github.com/rclab-auth/gidopensees/blob/master/doc/GiD%2BOpenSees%20Interface%20User%20Manual.pdf)

Register here : <https://www.gidhome.com/gid-convention/gid-convention-2018/register>