



formal methods in architecture  
3rd international symposium  
november 2015, Porto, Portugal

ESAP – Escola Superior Artística do Porto  
Largo de S. Domingos, 80  
4050-545 PORTO  
Tel: 223 392 130  
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## COURSES

Integrated in the 3rd Symposium “Formal Methods in Architecture Porto2015”, a series of 5 courses, dedicated to high level digital tools for Architecture will be held in the two weeks encompassing the Conference, from the 23<sup>rd</sup> of November till the 5<sup>th</sup> of December 2015.

For their novelty and thoroughness they constitute outstanding opportunities to familiarize and deepen knowledge and skills on the use of very advanced digital tools for Architecture in such fields as shape grammars, space syntax, parametric design, processing, agent-based design and geographical information systems.

The course on '**Shape Grammars**' will be held for the second time, worldwide, after a first edition in Japan. The teachers are two of the most reputed specialists in shape grammars, in a field of interest where generalized digital tools are yet to develop their full potential and user-friendliness.

The course of the **Architectural Association (AA) School of Architecture** has a format well tested by the AA Visiting School all over the world, now for the first time in Portugal. Within the aim of the 3rd Symposium in Formal Methods, it endeavours to associate several high level digital tools for Architecture, such as parametric design, processing, agent-based design and CAM.

The course on '**Space Syntax**' will be the first course, worldwide, dealing with both 2D and 3D digital tools. DepthSpace3D will be delivered for the first time for wide use. Developers of the delivered software and intensive users of space syntax digital tools are among the teachers.

The course in '**Parametric Design**' will be held by a trainer with large educational and professional experience in advanced uses of both Grasshopper and Python programming language.

The course in '**Geographical Information Systems**', although not so innovative, will constitute an opportunity to gain intensive skills in the use of QGIS, a free and open source software for GIS. The trainers are qualified and accustomed university teachers and also intensive users of QGIS.

**For details, please consult:**

**<http://archformalmethods.wix.com/archformalmethods#!courses/c1oi9>**



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## Prices and registration

Please consult

<http://archformalmethods.wix.com/archformalmethods#!registration/c1ppl>

## Schedule

AA	23rd to 27th November
Parametric design	23th and 25th November
GIS	26th and 27th November
Shape Grammars	3rd and 4th December
Space Syntax	3rd and 4th December

## Note:

Although the organization may provide one workstation for every trainee, it will be preferable to bring your own. In this case, all the software applications will be installed in your personal computer in the first stages of the courses.