



PST Workshop Proposal

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| <u>Proposers' Name</u> | Meta Berghauser Pont in collaboration with Ioanna Stavroulaki and Ann Legeby |
| <u>Proposers' Institution (if any)</u> | Chalmers University and KTH |
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| <u>Proposers' Short Bio</u> (text up to 200 words) | Meta Berghauser Pont is associate professor in Urban Design at Chalmers University of Technology in Gothenburg, Sweden. She is an expert in urban morphology and urban density. She leads the research group SMOG that, through analytical and quantitative methods, describes the form and character of the built environment with the aim to better understand overall urban processes and provide knowledge on how, through design, the built environment can affect these processes. |
| <u>Workshop Title</u> | PST workshop: Basic introduction and new features of the Place Syntax Tool (PST) |
| <u>Aim and Objectives</u> (describe the aims and objectives of the Workshop, indicating the scope of the workshop as well as why you think that this is a good topic for the 14 th SSS) | <p>Place Syntax Tool (PST) is a tool that combines the space syntax description of the urban environment (i.e. configurative analysis), with conventional descriptions of attraction into a combined accessibility analysis tool. This allows both for conventional space syntax analysis based on the axial map, and angular analysis based on the road centre line map, but especially, it opens possibilities to include attractions in the analysis, as either origins or destinations. PST was first introduced by Ståhle et al. (2005) at the 5th Space Syntax Symposium in Delft and since then was further developed at KTH School of Architecture and Spacescape AB, and more recently by the SMOG group at Chalmers School of Architecture, Sweden.</p> <p>In 2017, PST was launched as an open access software that is compatible with the open-source QGIS software and as such, allowing a wide audience to start using it. The application, documentation and data are available via KTH and Chalmers: http://smog.chalmers.se/PST and https://www.arch.kth.se/forskning/urban-design/software.</p> |

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| | <p>The half day workshop at the 14th Space Syntax Symposium in Nicosia is aiming at introducing the tool to a wider audience and participants can be either practitioners or researchers. However, some pre-knowledge of QGIS is required to participate. The session includes hands-on activities as well as presentations of examples from research.</p> <p>Besides this, we will also show some features that are included in the tool that are very handy when it comes to the preparation of data such as “Create segment map” and some new functionalities we added since the last workshop in Bergen including (1) visualizing changes in centrality, density and accessibility and (2) interactive isovist analysis.</p> |
| <p>Structure (describe the format of the workshop, identifying any keynote speakers, technical information, and so on)</p> | <p>The workshop will be divided into three parts:</p> <ol style="list-style-type: none"> 1. Basic PST features focusing on space syntax analyses and conventional descriptions of attraction. 2. Basic PST features to prepare data. 3. New PST features (recent development of the tool). <p>Each part starts with a short presentation, followed by a demo session and short exercises.</p> |
| <p>Duration (specify the duration of the workshop- whether it is half or full day)</p> | <p>Half day</p> |
| <p>Specific Requirements (provide any specific requirements you may request from the organising committee for the implementation of the workshop)</p> | <p>Some pre-knowledge of QGIS is required to participate.</p> <p>To participate in the exercises during the workshop, participants must install QGIS and PST using the link at http://smog.chalmers.se/PST. Install the version that is made available for the conference including all new features. Participants will be provided with comprehensive tutorials and a starting set of files to use during the workshop.</p> |