

## Shapes 4.0 (Bolzano, 21-23 Sep 17)

Free University of Bolzano/Bozen, Sep 21–23, 2017

Deadline: Jul 24, 2017

Inge Hinterwaldner

2nd Call for Papers

Shapes 4.0 - The Shape of Things @ JOWO 2017

Workshop

<http://shapes.inf.unibz.it>

<http://iaoa.org/jowo/2017/>

Shape, Form, and Structure are some of the most elusive notions and are pervasive in diverse disciplines from humanities (like literature studies, art history) to sciences (chemistry, biology, physics) and within these from the formal (mathematics, logic) to the empirical disciplines (engineering, cognitive science, architecture, environmental planning, design). Within domains such as computer science and artificial intelligence research, these notions are understood by mixing their common-sense meanings (e.g. to make sense of everyday perception and communication) and ad hoc technical specifications. Even in the different declinations of design the conception and sense of these notions change considerably.

Several approaches have been proposed within the aforementioned disciplines to study the very notions of shape, form and structure from different viewpoints, yet a comprehensive treatment of these notions is lacking and no interdisciplinary perspective has emerged.

Special focus of 2017: Patterns of Interaction

In these years, due to the popularity of the multi-agent approaches, the explosion of research and application in robotics, the cyber-physical and Internet of Things views, as well as social turns in geography and cultural heritage, there is a rising interest in interaction and its forms. The understanding of the term interaction is challenging due to the different types of entities it might involve and to the many contexts where it may occur. Conceived quantitatively or qualitatively, interaction can be located among agents and systems, among societies and cultures, among languages and stimuli, among views and interpretations. It puts an emphasis on such diverse aspects like emergence on the one hand and repetition on the other. Furthermore, it suggests a conception of form which is intrinsically dynamic, linked with temporality and, of course, action. This time-based notion of shape/form/structure demands not only an analysis of spatial configurations, but of spatio-temporal occurrences. As interactions of colors make clear (e.g. see the studies of Josef Albers), these occurrences may not always be literal sequences, they can happen simultaneously, but there must be time and space for something to take place. From here, we can start asking: Which

shapes do patterns of interaction have? Are patterns themselves static or dynamic? What does that mean? Are these meta-level shapes easier to formulate or formalize? Which patterns of (social) interaction are desirable? How to use them for play, planning, storytelling, collaboration and other creative purposes?

## SCOPE

The Shapes workshop series is an interdisciplinary platform for the discussion of all topics connected to shape (broadly understood). We seek to facilitate an interdisciplinary discussion between researchers, practitioners and artists from all disciplines interested in representing shape, form and structure, and reasoning about them. This includes formal, cognitive, linguistic, engineering, philosophical and artistic aspects of space and vision as well as their application in the sciences and in the arts.

SHAPES 4.0 solicits contributions in the form of

- a) extended abstracts of 4 to 6 pages (bibliography included)
- b) pieces of art (music, video, sculpture, scale models/images as well as documentations of these formats) together with about 2 to 3 pages textual description of the work. Contact the organizers at [shapes.workshop@gmail.com](mailto:shapes.workshop@gmail.com) if you need specific instructions.

## Important dates

- July 24, 2017 - Submission of contributions (abstracts, pieces of art works)
- Aug 25, 2017 - Acceptance/rejection notification
- Sept 15, 2017 - Camera ready submission
- Sept 21-23, 2017 - SHAPES 4.0 workshop (the precise date will be fixed soon)

## Submission details:

Papers should be formatted following the IOS Press template. For those interested in having their work published in the proceedings, submissions must not be previously published or be under review at another venue.

<http://www.iospress.nl/service/authors/latex-and-word-tools-for-book-authors/>

Accepted papers will be published open-access in the joint JOWO proceedings. Please visit the workshop webpage <http://shapes.inf.unibz.it> for more information.

Submission is via the Easychair submission system. To submit your paper, go to

<https://easychair.org/conferences/?conf=jowo2017>

And select the track "SHAPES 4.0 - The Shape of Things"

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Previous JOWO Proceedings can be found here:

<http://ceur-ws.org/Vol-1517/> for JOWO 2015,

<http://ceur-ws.org/Vol-1660/> for JOWO 2016.

and previous SHAPES proceedings here:

SHAPES 3.0: <http://ceur-ws.org/Vol-1616/>

SHAPES 2.0: <http://ceur-ws.org/Vol-1007/>

SHAPES 1.0: <http://ceur-ws.org/Vol-812/>

## Organisers

Rossella Stufano Melone (Politecnico di Bari, Italy)

Inge Hinterwaldner (Humboldt-Universität zu Berlin, Germany)

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## Contact

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## Previous editions

SHAPES 3.0 <http://www.shapes-research.org/>

SHAPES 2.0 <http://cindy.informatik.uni-bremen.de/cosy/events/shapes2/>

SHAPES 1.0 <http://cindy.informatik.uni-bremen.de/cosy/events/shapes/>

### Reference:

CFP: Shapes 4.0 (Bolzano, 21-23 Sep 17). In: ArtHist.net, Jul 11, 2017 (accessed Mar 20, 2026),

<<https://arthist.net/archive/15983>>.