

# Nexus 2010

## Call for Proposals: Sessions and Round Tables

The VIII international, interdisciplinary Nexus conference for architecture and mathematics will take place 13-15 June 2010 in **Porto, Portugal**, hosted by the Faculty of Architecture (FAUP) and the Center of Mathematics (CMUP)/Faculty of Sciences (FCUP) of the University of Porto.

This is the eighth conference in the Nexus series, following those in **1996** (Fucecchio, Florence, Italy), **1998** (Mantua, Italy), **2000** (Ferrara, Italy), **2002** (Óbidos, Portugal), **2004** (Mexico City), **2006** (Genoa, Italy) and **2008** (San Diego, USA). The papers from the conference will be published in future issues of the *Nexus Network Journal*.

The Nexus conferences are dedicated to explorations of the relationships between architecture and mathematics, through a broad panorama of topics. In the past, these topics have included: symmetry in architecture, projective and descriptive geometry, soap bubbles and minimum surfaces, systems of proportions, geometry and urban design, the development of structural forms, the use of arithmetical, geometrical, and harmonic means, calculations of domes and arches, linear algebra and geometric forms, music theory and architecture, fractals in architecture, etc. Presentations have also included discussions of the work of individual architects, such as Alberti, Palladio, Frank Lloyd Wright; historical periods, such as Roman, Incan and Renaissance; the application of particular branches of mathematics to architectural design, such as geometry, topology and algebra.

### **CALL FOR SESSION and ROUND TABLE PROPOSALS**

Proposals are sought for session themes and round-table debates or discussions regarding topics that highlight the relationships between architecture and mathematics. Conference sessions will consist of 4-8 presentations of 30 minutes in length, and include time for questions-and-answers and general discussion. Round tables typically consist of a discussion between 4-5 panel members and comments from the audience, and last 2 hours (1 hour for the panel, 1 hour for general comment and discussion).

Proposals will be reviewed and selected by the conference directors. Session and round-table proposals will be evaluated in terms of pertinence and quality of the topic, and with a view towards creating a varied overall conference program. Following notification of the proposals selected, Calls for Papers will be organised with the session/round table moderators to solicit presentations.

### **SESSION AND ROUND TABLE MODERATORS ARE RESPONSIBLE FOR:**

- composing the Call for Papers, coordinating submissions and selecting presenters (subject to the approval of the conference directors);
- introducing the presenters and managing questions-and-answers and general discussion during the session or round table;
- writing a presentation about the session or round table that can serve as a "Letter from the Editor" in the *Nexus Network Journal*;
- possibly guest-editing a special issue of the *Nexus Network Journal* dedicated to the session.

## SUBMISSION OF PROPOSALS

- **Cover sheet.** Please include a cover sheet with the following information: name, title or profession and affiliation (if applicable), mailing address, e-mail address, Title of Proposal. Specify the following: 1) whether the proposal is for a session or round table; 2) overall aim of the proposal;
- **Proposal.** Proposals in English, no more than 500 words (an A4 page);
- **Curriculum vitae.** No more than 1 page, including recent publications;
- Submissions are to be sent via e-mail to: **proposals2010@kimwilliamsbooks.com**

## SELECTION PROCESS

In order to assure the highest academic quality, the selection process for papers for presentation at the conference is divided into two phases. The first phase is the review and selection of **ABSTRACTS**. Authors whose abstracts are selected will be asked to complete their research by the date in the **SCHEDULE** below. The completed research will undergo a final double-blind peer-review process in order to select the presentations for the conference. Research not selected for presentation at the Nexus 2010 conference will be considered for publication in the *Nexus Network Journal*.

## CONFERENCE WORKING SCHEDULE

The schedule for submissions, selections, and the preparation of the final presentations is:

<b>22 December 2008</b>	<ul style="list-style-type: none"><li>• Call for session and round table proposals (for selection of topics and session organizers)</li></ul>
<b>1 March 2009</b>	<ul style="list-style-type: none"><li>• Deadline for submission of proposals</li></ul>
<b>1 May 2009</b>	<ul style="list-style-type: none"><li>• Notification of acceptance of sessions, round tables and organizers</li></ul>
<b>1 June 2009</b>	<ul style="list-style-type: none"><li>• Call for Papers (coordinated with session organizers)</li></ul>
<b>1 August 2009</b>	<ul style="list-style-type: none"><li>• Deadline for submission of <b>abstracts</b></li></ul>
<b>1 September 2009</b>	<ul style="list-style-type: none"><li>• Notification of acceptance of abstracts.</li></ul>
<b>1 January 2010</b>	<ul style="list-style-type: none"><li>• Deadline for submission of <b>research</b> for presentation</li></ul>
<b>1 February 2010</b>	<ul style="list-style-type: none"><li>• Notification of acceptance for conference presentation</li></ul>
<b>13-15 June 2010</b>	<ul style="list-style-type: none"><li>• Nexus 2010 conference</li></ul>
<b>31 December 2010</b>	<ul style="list-style-type: none"><li>• Deadline for submission of final papers for publication</li></ul>
<b>2011</b>	<ul style="list-style-type: none"><li>• Publication of papers in the <i>Nexus Network Journal</i> vol. 13</li></ul>

If you would like to know more about the Nexus conferences, books or the *Nexus Network Journal*, or you have questions about the call for proposals, please don't hesitate to contact the conference organizers:

### **Conference Directors**

**Kim Williams** <kwb@kimwilliamsbooks.com>  
Editor in Chief, *Nexus Network Journal*

**João Pedro Xavier** <jpx@arq.up.pt>  
Faculty of Architecture (FAUP), University of Porto

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*Founded in 1999, the Nexus Network Journal (NNJ) is a peer-reviewed journal for researchers, professionals and students engaged in the study of the application of mathematical principles to architectural design. Its goal is to present the broadest possible consideration of all aspects of the relationships between architecture and mathematics, including landscape architecture and urban design.*

*Bibliographic Data – First published in 1999 by Kim Williams Books – Editor-in-Chief, Kim Williams kwb@kimwilliamsbooks.com – Since 2007 co-published and distributed by Birkhäuser Verlag, Basel – From 2009 (vol. 11) published electronically and in print, 1 volume per year, 3 issues per volume – Format: 17 x 24 cm – ISSN 1590-5896 (print) – ISSN 1522-4600 (electronic) – Back volumes are available – electronic access for subscribers: <http://www.springer.com/birkhauser/mathematics/journal/4>*

*Abstracted/Indexed in: Avery Index of Architectural Publications, Mathematical Reviews, MathSciNet, SCOPUS, ZDM (Zentralblatt für Didaktik der Mathematik), Zentralblatt Math.*