



## Innsbruck

Anyone who comes to visit Innsbruck, the capital of the Tyrol region, will immediately notice the close coexistence of culture and nature. Located at the crossroads of Europe's most important transport lines and nestled in the gorgeous deep valley of the River Inn, in the Alps, between the scenic Karwendel Mountains to the north and Tuxer Mountains to the south, Innsbruck always was – and continues to be – a meeting point and platform for cultural exchange, commerce and science. In more recent times the city has also gained international reputation as an important sports venue.



Innsbruck's airport has connections to all big cities in Europe like London, Paris, Frankfurt, Hannover, Prag, Amsterdam and domestic flights to Vienna and Graz.



The symposium will be at the Congress Innsbruck Center at Rennweg, right outside the historical old town with its great number of architectural monuments and just in front of the funicular station for the ski area Nordkette.

<http://vlhcc.org>

VL/HCC  2012

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CALL FOR PAPERS

2012 IEEE Symposium on  
VISUAL LANGUAGES  
AND HUMAN-CENTRIC  
COMPUTING

co-located with  
ACM/IEEE 15th International Conference  
on Model Driven Engineering Languages and  
Systems (MODELS 2012)



INNSBRUCK, AUSTRIA  
30 SEPTEMBER - 4 OCTOBER 2012

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IEEE  
computer  
society

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## Overview

From the beginning of the computer age, people have sought easier ways to learn, express, and understand computational ideas. Whether this meant moving from punch cards to textual languages, or command lines to graphical UIs, the quest to make computation easier to express, manipulate, and understand by a broader group of people is an ongoing challenge.

The IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC) is the premier international forum for research on this topic. Established in 1984, the mission of the conference is to support the design, theory, application, and evaluation of computing technologies and languages for programming, modeling, and communicating, which are easier to learn, use, and understand by people.

## Scope and Topics

We solicit original, unpublished research papers that focus on efforts to design, formalize, implement, and evaluate computing languages and development tools that are easier to learn, easier to use, and easier to understand. This includes languages and tools expressed not only as text, but through any other means (visual, sketch-based, gesture-based, or otherwise). This also includes languages and tools intended for a wide range of audiences, including professional software developers, novice programmers, or any other people who find a need to express computational ideas. We also seek papers that address cognitive, social, cultural, and theoretical aspects of efforts to lower barriers to computing.

Areas of interest include, but are not limited to:

- \* Design, evaluation, and theory of visual languages
- \* End-user development, end-user programming
- \* Novel user interfaces for expressing computation
- \* Human aspects of software development
- \* Debugging and program understanding
- \* Computer science education
- \* Software development tools
- \* Model-driven development
- \* Domain-specific languages
- \* Software visualization
- \* Query languages

## Paper Submission

We invite two kinds of papers, due **March 16, 2012**:

- \* full-length research papers, up to 8 pages
- \* short research papers, up to 4 pages

All accepted papers, whether full or short, should be complete archival contributions. The contribution from full papers are more extensive than those from short papers. Preliminary research should be submitted to the Posters category. All submissions will be reviewed by members of the Program Committee.

Accepted papers will be distributed at the conference and will appear in the **IEEE Digital Library**.

Moreover, authors of the best papers accepted for the conference will be invited to submit revised versions for a **special issue of the Journal of Visual Languages and Computing**.

The conference also invites submissions for demos, posters, workshops, and tutorials. For more information, see the VL/HCC 2012 web site.

## A Note on Evaluations

Research papers are expected to support their claims with appropriate evidence. For example, a paper that claims to improve programmer productivity is expected to demonstrate improved productivity.

However, not all claims necessarily need to be supported with empirical evidence or studies with people. A paper that claims to make something feasible that was clearly infeasible might substantiate its claim through the existence of a prototype. Moreover, there are many alternatives to empirical evidence, including analytical methods or formal arguments. We encourage authors to think carefully about what claims their submission makes and what evidence would support them.

Important Dates	
Abstract submissions	9 March 2012
Paper submissions	16 March 2012
Notification of reviews	25 May 2012
Rebuttals due	29 May 2012
Notification of final decision	6 June 2012
Camera-ready copies due	29 June 2012

## Program Committee

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*Paolo Bottoni* · Sapienza University of Rome, Italy  
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