

SCIENTIFIC WORK

PERSONAL INFORMATION

Name	Jan VAN DEN BERGH
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Nationality	Belgian
Date	August 15, 2007

ORGANIZATION

INTERNATIONAL WORKSHOPS

- | | |
|------|---|
| 2007 | PC-member of first International Workshop on Model-Driven User-Centric Design & Engineering (Workshop with IFAC HMS 2007) |
| 2006 | Co-organizer, webmaster, PC-member of second International Workshop on Model Driven Development of Advanced User Interfaces (Workshop with MoDELS 2006) |
| 2005 | Co-organizer, webmaster, PC-member and co-editor of proceedings of Workshop on Model Driven Development of Advanced User Interfaces (Workshop with MoDELS 2005) |

PUBLICATIONS

PHD

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|------|--|
| 2006 | Jan Van den Bergh.
<i>High-Level User Interface Models for Model-Driven Design of Context-Sensitive Interactive Applications.</i>
PhD thesis, Hasselt University (transnationale Universiteit Limburg), October 2006 |
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INTERNATIONAL REFEREED PUBLICATIONS

- | | |
|------|---|
| 2007 | Jan Van den Bergh, Bert Bruynooghe, Jan Moons, Steven Huypens, Koen Handekyn, and Karin Coninx.
Model-driven creation of staged participatory multimedia events on tv.
In <i>Proceedings of EuroITV 2007</i> , volume 4471 of LNCS, pages 21–30, Amsterdam, Netherlands, 2007. Springer |
| | Jan Van den Bergh, Kris Luyten, and Karin Coninx.
High-Level Modeling of Multi-User Interactive applications.
In <i>Proceedings of TaMoDia 2006</i> , volume 4385 of LNCS, pages 153–168, Diepenbeek, Belgium, 2007. Springer |
| | Jan Van den Bergh, Steven Huypens, and Karin Coninx.
Towards Model-Driven Development of Staged Participatory Multimedia Events.
In <i>Proceedings of DSV-IS</i> , volume 4323 of LNCS, pages 81–94, Dublin, Ireland, 2007. Springer |
| 2006 | Kris Luyten, Jan Van den Bergh, Karin Coninx, and Chris Vandervelpen.
Designing Distributed User Interfaces for Ambient Intelligent Environments Using Models and Simulations.
<i>Computers and Graphics</i> , 30(5):702–713, 2006 |

- Jan Van den Bergh and Karin Coninx.
CUP 2.0: High-Level Modeling of Context-Sensitive Interactive Applications.
In *Proceedings of ACM/IEEE 9th International Conference on Model Driven Engineering Languages and Systems*, LNCS, Genova, Italy, October 2006. Springer.
To be published
- Jan Van den Bergh and Karin Coninx.
Model driven design of ubiquitous interactive applications.
In *Proceedings of Workshop on Software Engineering Challenges for Ubiquitous Computing*, Lancaster, United Kingdom, June 2006
- Tim Clerckx, Jan Van den Bergh, and Karin Coninx.
Modeling Multi-Level Context Influence on the User Interface.
In *PerCom Workshops*, pages 57–61. IEEE Computer Society, 2006
- 2005 Jan Van den Bergh and Karin Coninx.
Using UML 2.0 and Profiles for Modelling Context-Sensitive User Interfaces.
In *Proceedings of Model Driven Design of Advanced User Interfaces 2005*, volume 159 of *CEUR Workshop Proceedings*, Montego Bay, Jamaica, October 2 2005. online CEUR-WS.org/Vol-159/paper7.pdf
- Geert Houben, Jan Van den Bergh, Kris Luyten, and Karin Coninx.
Interactive Systems on the Road: Development of Vehicle User Interfaces for Failure Assistance.
In *Proceedings of First Workshop on Wireless Vehicular Communications and Services for Breakdown Support and Car Maintenance (W-CarsCare)*, pages 84–89, Nicosia, Cyprus, April 2005. European Wireless 2005
- Jan Van den Bergh and Karin Coninx.
Towards Modeling Context-Sensitive Interactive Applications: the Context-Sensitive User Interface Profile (CUP).
In *SoftVis '05: Proceedings of the 2005 ACM symposium on Software visualization*, pages 87–94, New York, NY, USA, 2005. ACM Press
- Jan Van den Bergh and Karin Coninx.
Towards Integrated Design of Context-Sensitive Interactive Systems.
In *Third IEEE Conference on Pervasive Computing and Communications WORKSHOPS*, pages 30–34, Kauai Island, Hawaii, United States of America, March 2005. IEEE Computer Society
- 2004 Jan Van den Bergh and Karin Coninx.
Model-based Design of Context-Sensitive Interactive Applications: a Discussion of Notations.
In *International Workshop on Task Models and Diagrams for user interface design 2004 (TAMODIA 2004)*, pages 43–50, Prague, Czech Republic, November 15–16 2004
- Davy Preuveneers, Jan Van den Bergh, Dennis Wagelaar, Andy Georges, Peter Rigole, Tim Clerckx, Yolande Berbers, Karin Coninx, Viviane Jonckers, and Koen De Bosschere.
Towards an Extensible Context Ontology for Ambient Intelligence.
In *Second European Symposium on Ambient Intelligence*, volume 3295 of *LNCS*, pages 148 – 159, Eindhoven, The Netherlands, November 8 – 11 2004. Springer
- Jan Van den Bergh and Karin Coninx.
Contextual ConcurTaskTrees: Integrating dynamic contexts in task based design.
In *Second IEEE Conference on Pervasive Computing and Communications WORKSHOPS*, pages 13–17, Orlando, FL, USA, March 14–17 2004. IEEE Press
- Jan Van den Bergh, Kris Luyten, and Karin Coninx.
Evaluation of High-Level User Interface Description Languages for Use on Mobile and Embedded Devices.
In *ACM AVI 2004 Workshop: UIXML 2004*, pages 87–94, Gallipoli, Italy, May 25 2004
- 2003 Karin Coninx, Kris luyten, Chris Vandervelpen, Jan Van den Bergh, and Bert Creemers.
Dygimes: Dynamically Generating Interfaces for Mobile Computing Devices and Embedded Systems.
In *Human-Computer Interaction with Mobile Devices and Services, 5th International Symposium, Mobile HCI 2003*, pages 256–270, Udine, Italy, September 8–11 2003. Springer

- Jan Van den Bergh, Kris Luyten, and Karin Coninx.
A Run-time System for Context-Aware Multi-Device User Interfaces.
In *HCI International 2003, Volume 2, Crete, Greece*, pages 308–312, June 2003
- 2002 Jan Van den Bergh, Fabian Di Fiore, Johan Claes, and Frank Van Reeth.
Interactively Morphing Irregularly Shaped Images Employing Subdivision Techniques.
In *Proceedings of the 1st Ibero-American Symposium in Computer Graphics (SIACG) 2002*, pages 315–321, Guimaraes, Portugal, July 1–5 2002
- WORKSHOP REPORT**
- 2007 Andreas Pleuß, Jan Van den Bergh, Stefan Sauer, Heinrich Hußmann, and Alexander Boedcher.
Model driven development of advanced user interfaces (mddau) - mddau'06 workshop report.
LNCS, 4364:101–105, 2007
- Stéphane Chatty, José Creissac Campos, María Paula González, Sophie Lepreux, Erik G. Nilsson, Victor M. Ruiz Penichet, Mónica Santos, and Jan Van den Bergh.
Processes: Working group report.
In *DSV-IS*, volume 4323 of *LNCS*, pages 262–264, 2006
- 2006 Andreas Pleuß, Jan Van den Bergh, Stefan Sauer, and Heinrich Hußmann.
Workshop Report: Model Driven Development of Advanced User Interfaces (MDDAU).
LNCS, 3844:182–190, 2006
- EDITOR**
- 2006 Andreas Pleuß, Jan Van den Bergh, Heinrich Hußmann, Stefan Sauer, and Alexander Boedcher, editors.
MDDAU '06, Model Driven Development of Advanced User Interfaces 2006, Proceedings of the MoDELS'06 Workshop on Model Driven Development of Advanced User Interfaces, Genova, Italy, October 2, 2006, volume 214 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2006
- 2005 Andreas Pleuß, Jan Van den Bergh, Heinrich Hußmann, and Stefan Sauer, editors.
MDDAU '05, Model Driven Development of Advanced User Interfaces 2005, Proceedings of the MoDELS'05 Workshop on Model Driven Development of Advanced User Interfaces, Montego Bay, Jamaica, October 2, 2005, volume 159 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2005
- PROJECT DELIVERABLES**
- 2006 Jan Van den Bergh, Steven Huypens, and Karin Coninx.
D4.2 Model-based Specification of Formats: Interplay of Models and Serialization Format.
Technical report, O&O Program; Participate: Staged Participatory Multimedia Events, 2006
- 2005 Jan Van den Bergh, Steven Huypens, and Karin Coninx.
D4.1 A template-based modeling language for format design.
Technical report, O&O Program; Participate: Staged Participatory Multimedia Events, 2005
- 2004 Tim Clerckx, Jan Van den Bergh, Kris Luyten, and Karin Coninx.
Static and Dynamic Context supporting Context-Sensitive User Interfaces.
Technical report, STWW Program; Context Driven Adaptation of Mobile Services (CoDAMoS), 2004
- Chris Vandervelpen, Kris Luyten, Tim Clerckx, Jan Van den Bergh, and Karin Coninx.
D5.1: Model-Based User Interface Development methods for the Design of Context-Driven, Adaptable Interactive Systems.
Technical report, STWW Program; Context Driven Adaptation of Mobile Services (CoDAMoS), 2004
- Davy Preuveneers, Jan Van den Bergh, Dennis Wagelaar, Andy Georges, Peter Rigole, Tim Clerckx, Yolande Berbers, Karin Coninx, Viviane Jonckers, and Koen De Bosschere.
Context Specification.
Technical report, STWW Program; Context Driven Adaptation of Mobile Services (CoDAMoS), 2004

- 2002 Kris Luyten, Tim Clerckx, Chris Vandervelpen, Jan Van den Bergh, and Karin Coninx.
Tool-support for the Realization of UIs.
Technical report, STWW Program; Software Engineering for Embedded Systems using a Component Oriented Approach (SEESCOA), November 2002
- Kris Luyten, Chris Vandervelpen, Jos Segers, Jan Van den Bergh, and Karin Coninx.
D4.4: Evaluation of existing UI Realization Systems.
Technical report, STWW Program; Software Engineering for Embedded Systems using a Component Oriented Approach (SEESCOA), April 2002
- 2001 Kris Luyten, Karin Coninx, Jan Van den Bergh, and Jos Segers.
Software Engineering for Embedded Systems using a Component Oriented Approach; deliverable 4.2: Implementation of a component based user interface, SEESCOA confidential.
Technical report, Expertisecentrum Digitale Media; Limburgs Universitair Centrum, January 2001
- 2000 Karin Coninx and Jan Van den Bergh.
D4.1: Evaluation of existing UI Realization Systems.
Technical report, STWW Program; Software Engineering for Embedded Systems using a Component Oriented Approach (SEESCOA), April 2000

MASTER THESIS

Jan Van den Bergh.
Distributed Component Systems: a Comparison.
Master's thesis, Maastricht University, June 1999

PRESENTATIONS

PHD

- 2006 High-Level User Interface Models for Model-Driven Design of Context-Sensitive Interactive Applications

INTERNATIONAL CONFERENCES AND SYMPOSIA

- 2006 CUP 2.0: High-Level Modeling of Context-Sensitive Interactive Applications (at *ACM/IEEE International Conference on Model Driven Engineering Languages and Systems*)
- 2005 Towards Modeling Context-Sensitive Interactive Applications: the Context-Sensitive User Interface Profile (CUP) (at *ACM Symposium on Software Visualisation*)
- 2004 Towards an Extensible Context Ontology for Ambient Intelligence (at *2nd European Symposium on Ambient Intelligence*)
- 2003 A Run-time System for Context-Aware Multi-Device Interfaces (at *10th International Conference on Human-Computer Interaction*)
- 2002 Interactively Morphing Irregularly Shaped Images Employing Subdivision Techniques (at *1st Ibero-American Symposium in Computer Graphics*)

INTERNATIONAL WORKSHOPS

- 2006 Towards Model-Driven Development of Staged Participatory Multimedia Events (at *The XIII International Workshop on Design, Specification and Verification of Interactive Systems*)
Model-Driven Design of Ubiquitous Interactive Applications (at *Workshop on Software Engineering Challenges for Ubiquitous Computing*)
- 2005 Using UML 2.0 and Profiles for Modelling Context-Sensitive User Interfaces (at *MoDELS/UML workshop: Workshop on Model-Driven Development of Advanced User Interfaces*)

	Towards Integrated Design of Context-Sensitive Interactive Systems (at <i>PerCom Workshop: 2nd Workshop on Context Modeling and Reasoning (CoMoRea)</i>)
2004	Model-Based Design of Context-Sensitive Interactive Applications: a Discussion of Notations (at <i>3rd International Workshop on TAsk MOdels and DIAGrams for user interface design</i>)
	Contextual ConcurTaskTrees: Integrating Dynamic Contexts in Task-Based Design (at <i>PerCom Workshop: Workshop on Context Modeling and Reasoning (CoMoRea)</i>)
	Evaluation of High-Level User Interface Description Languages for Use on Mobile and Embedded Devices (at <i>ACM AVI Workshop: UIXML 2004</i>)
	NATIONAL AND LOCAL WORKSHOPS AND MEETINGS
2005	Platform-Onafhankelijke Beschrijving van User Interfaces (at <i>STWW CoDAMoS Workshop: Model-Driven Engineering, Leuven, September 1, 2005</i>)
	A Layered Approach to Build Location-Aware Services: The Mobile Photo Blog Case (at <i>9th Broadband Symposium, Brussels, February 16, 2005</i>)
2004	Modeling Context-Sensitive, Interactive Applications (at <i>Research Day in UCL, Louvain-La-Neuve, December 7, 2004</i>)
Misc	Presentations at Project Meetings of STWW CoDAMoS (opening meeting, D1.2.1) and STWW SEESCOA (D4.1, D4.4), internal research meetings