



XXVIII Cursos de Verano / XXVIII. Uda Ikastaroak XXI Cursos europeos / XXI. Europar Ikastaroak

Universidad del País Vasco / Euskal Herriko Unibertsitatea

Donostia - San Sebastián, 2009



2.1 CONGRESS

International Conference on Web Engineering-ICWE'09 (V)

Director:

Jon Iturrioz.

Facultad de Informática. Donostia-San Sebastián. UPV/EHU.

Aims:

The growing demand of quality software has made the quality become a discriminative factor among software products, and therefore a key aspect for software success. Technological advances and the use of Internet have encouraged the appearance of a wide variety of Web applications. As a result, over the past decade the number of organizations that have used Web applications has grown dramatically. Thus, it is necessary to carefully assess, define, and use the several dimensions that describe the quality of Web applications.

We want to promote all areas related to the quality of web applications with the first edition of this workshop, by giving to researchers the opportunity of sharing their works and providing a forum to discuss the various aspects of Web quality and the development of quality applications and services. Moreover, we hope to identify possible future lines during the workshop related to the discussed topics.

In collaboration with International Society for Web Engineering and International World Wide Web Conference Comité.

Special registration fees. For further information, please, visit the website:
<http://alarcos.inf-cr.uclm.es/qaw/>

Academic validity: 30 hours.

Official language: English.

PROGRAM

Workshops, Tutorials and Doctoral Consortium

Monday (June 22)

[Workshop] **Model-Driven Web Engineering Workshop**

[Tutorial] **From SOA to REST - Designing and Implementing RESTful Services** by Dr. Cesare Pautasso (Faculty of Informatics at University of Lugano, Switzerland) and Dr. Erik Wilde (School of Information at UC Berkeley, California, U.S.A.)

[Workshop] **Quality Assessment in Web Workshop**

[Tutorial] **Evaluating the Quality of Web 2.0 Applications** by Dr. Luis Olsina Engineering School at Universidad Nacional de La Pampa, Argentina

Tuesday (June 23)

[Workshop] **International Workshop on Lightweight Integration on the Web**

[Workshop] **International Workshop on Web-Oriented Software Technologies**

[Tutorial] **Practical Accessibility: A Web Accessibility Primer** by Dr. Simon Harper and Dr. Yeliz Yesilada. School of Computer Science at University of Manchester U.K

Cursos de Verano / Uda Ikastaroak (cursosverano@ehu.es)

Apdo. 1.042. E-20.080 Donostia-San Sebastián / Tel. (+34) 943.219.511 / 943.219.751; Fax. (+34).943.219.598
<http://www.sc.ehu.es/cursosverano>

[Tutorial] **Model-Driven Development of Service-Oriented Systems** by Dr. Nora Koch Dr. Nora Koch

Ludwig-Maximilians-Universität München Munich, Germany

Track: Doctoral Consortium

Conference

Wednesday (June 24)

Opening Panel

Opening Welcome

[Keynote] **Prof. Dr. James A. Hendler**, Rensselaer Polytechnic Institute

Track: Model-driven Web Engineering I

Track: Model-driven Web Engineering II

Track: Search

Track: Data and Semantics

Track: Demos I (Exhibitions)

Track: Posters I (Exhibitions)

ISWE Member Meeting

Welcome Reception at City Hall

Thursday (June 25)

Track: Component-based Web Engineering: Portals and Mashups

Track: Process, Planning and Phases

Track: Demos I (Exhibitions)

Track: Posters I (Exhibitions)

[Keynote] **Dr. Juan José Hierro**, Chief Technologist on Software Technologies at Telefonica R&D

Track: Rich Internet Applications

Track: Testing

Track: Web Services, SOA and REST

Track: Accessibility, Usability and Navigation

Track: Demos II (Exhibitions)

Track: Posters II (Exhibitions)

Workshop's Summary Panel

Conference Banquet at Kursaal

Friday (June 26)

Track: Web 2.0

Track: Quality

Track: Demos II (Exhibitions)

Track: Posters II (Exhibitions)

[Keynote] **Prof. Dr. Jaideep Srivastava** University of Minnesota

Closing Ceremony

Track: Model-driven Web Engineering I

(Demo Presentation) **MDD for Audio-Visual Web Search Applications: The PHAROS**

Demonstration by Alessandro Bozzon, Marco Brambilla, and Piero Fraternali

(Demo Presentation) **UWE4JSF: A Model-driven Generation Approach for Web Applications** by Christian Kroiss, Nora Koch, and Alexander Knapp

(Demo Presentation) **A Model-based Approach Providing Context-sensitive Television Interaction** by Pieter Bellekens, Lora Aroyo, Geert-Jan Houben, and Annelies Kaptein

(Demo Presentation) **beContent: A Model-driven Platform for Designing and Maintaining Web Applications** by Alfonso Pierantonio, Antonio Cicchetti, Davide Di Ruscio, Romina Eramo, and Francesco Maccarrone

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(Demo Presentation) **InSCo-Gen: A MDD Tool for Web Rule-based Applications** by Joaquín Cañadas, José Palma, and Samuel Túnez

Track: Model-driven Web Engineering II

(Full paper) **Model-driven Web Engineering for the Automated Configuration of Web Content Management Systems** by Jurriaan Souer, Thijs Kupers, Remko Helms, and Sjaak Brinkkemper

(Full paper) **Bridging Test and Model-driven Approaches in Web Engineering** by Esteban Robles Luna, Julián Grigera, and Gustavo Rossi

(Full paper) **A Requirements Analysis Approach for Using i* in Web Engineering** by Irene Garrigós, Jose-Norberto Mazón, and Juan Trujillo

Track: Search

(Full paper) **Web Site Metadata** by Erik Wilde and Anuradha Roy

(Full paper) **Conceptual Modeling of Multimedia Search Applications using Rich Process Models** by Alessandro Bozzon, Marco Brambilla, and Piero Fraternali

(Short paper) **Zero-Effort Search and Integration Model for Augmented Web Applications** by Ryong Lee and Kazutoshi Sumiya

(Demo Presentation) **On Using Distributed Extended XQuery for Web Data Sources as Services** by Muhammad Intizar Ali, Reinhard Pichler, Hong-Linh Truong, and Schahram Dustdar

Track: Data and Semantics

(Full paper) **Trust and Reputation Mining in Professional Virtual Communities** by Florian Skopik, Hong-Linh Truong, and Schahram Dustdar

(Full paper) **A Structured Approach to Data Reverse Engineering of Web Applications** by Roberto De Virgilio and Riccardo Torlone

(Full paper) **Harnessing the Power of Semantics-based, Aspect-oriented Adaptation for AMACONT** by Matthias Niederhausen, Kees van der Sluijs, Jan Hidders, Erwin Leonardi, Geert-Jan Houben, and Klaus Meißner

Track: Demos I (Exhibitions)

MDD for Audio-Visual Web Search Applications: The PHAROS Demonstration by Alessandro Bozzon, Marco Brambilla, and Piero Fraternali

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Track: Posters I (Exhibitions)

A Web-based Mashup Tool for Information Integration and Delivery to Mobile Devices by Prach Chaisatien and Takehiro Tokuda

An Online Platform for Semantic Verification of UML Models by Marco Brambilla and Christina Tziviskou

Efficient Building of Interactive Applications Guided by Requirements Models by Begoña Losada, Maite Urretavizcaya, and Isabel Fernández de Castro

CRUISe: Composition of Rich User Interface Services by Stefan Pietschmann, Martin Voigt, Andreas Rümpel, and Klaus Meißner

Track: Component-based Web Engineering: Portals and Mashups

(Full paper) **A Component-based Approach for Engineering Enterprise Mashups** by Javier López, Fernando Bellas, Alberto Pan, and Paula Montoto

(Full paper) **Turning Web Applications into Mashup Components: Issues, Models, and Solutions** by Florian Daniel and Maristella Matera

(Full paper) **Tagging Aware Portlets** by Oscar Díaz, Sandy Pérez, and Cristóbal Arellano

Track: Process, Planning and Phases

(Short paper) **Feature-based Engineering of Compensations in Web Service Environment** by Michael Schäfer and Peter Dolog

(Short paper) **Product Line Development of Web Systems with Conventional Tools** by Miguel A. Laguna, Bruno González-Baixauli, and Carmen Hernández

(Short paper) **An Empirical Study on the Use of Web-COBRA to Estimate Web Application Development Effort** by Sergio Di Martino, Filomena Ferrucci, and Carmine Gravino

(Demo Presentation) **MagicUWE – A CASE Tool Plugin for Modeling Web Applications** by Marianne Busch and Nora Koch

(Demo Presentation) **MODiCo: A Multi-Ontology Web Service Discovery and Composition System** by Duy Ngan Le, Bao Duy Tran, Puay Siew Tan, Angela Eck Song Goh, and Eng Wah Lee

(Demo Presentation) **A Tool to Support End-User Development of Web Applications based on a Use Case Model** by Buddhima De Silva, Athula Ginige, Simi Bajaj, Ashini Ekanayake, Richa Shirodkar, and Markus Santa

Track: Rich Internet Applications

(Full paper) **Script InSight: Using Models to Explore JavaScript Code from the Browser View** by Peng Li and Eric Wohlstadt

(Short paper) **A Conceptual Framework for User Input Evaluation in Rich Internet Applications** by Matthias Book, Tobias Brückmann, Volker Gruhn, and Malte Hülder

(Short paper) **Patterns for the Model-based Development of Rich Internet Applications** by Nora Koch, Matthias Pigerl, Gefei Zhang, and Tatiana Morozova

(Short paper) **Adapting the Presentation Layer in Rich Internet Applications** by Irene Garrigós, Santiago Melía, and Sven Casteleyn

(Demo Presentation) **Automatic Generation of RIAs using RUX-Tool and Webratio** by Marino Linaje, Juan Carlos Preciado, Rober Morales-Chaparro, Roberto Rodríguez-Echeverría, and Fernando Sánchez-Figueroa

Track: Testing

(Full paper) **A Higher Order Generative Framework for Weaving Traceability Links into a Code Generator for Web Application Testing** by Piero Fraternali and Massimo Tisi

(Full paper) **Exploring XML Perturbation Techniques for Web Services Testing** by Paulo Silveira and Ana C. V. de Melo

(Short paper) **Facilitating Controlled Tests of Website Design Changes: a Systematic Approach** by Javier Cámara and Alfred Kobsa

Track: Web Services, SOA and REST

(Full paper) **SOAF – Design and Implementation of a Service-enriched Social Network** by Martin Treiber, Hong-Linh Truong, and Schahram Dustdar

(Full paper) **RESTful Transactions Supported by the Isolation Theorems** by Amir Razavi, Alexandros Marinos, Sotiris Moschoyiannis, and Paul Krause

(Short paper) **An Optimization Rule for ActiveXML Workflows** by Sattanathan Subramanian and Guttorm Sindre

Track: Accessibility, Usability and Navigation

(Full paper) **Fine-grained Analysis of Web Tasks Through Data Visualization** by Gennaro Costagliola and Vittorio Fuccella

(Full paper) **Exploring Automatic CSS Accessibility Evaluation** by Amaia Aizpurua, Myriam Arrue, Markel Vigo, and Julio Abascal

(Full paper) **Automating Navigation Sequences in AJAX Websites** by Paula Montoto, Alberto Pan, Juan Raposo, Fernando Bellas, and Javier López

(Short paper) **Modelling and Verification of Web Navigation** by Zuohua Ding, Mingyue Jiang, Geguang Pu, and Jeff W. Sanders

(Short paper) **Context-driven Hypertext Specification** by Sara Comai, Davide Mazza, and Elisa Quintarelli

Track: Demos II (Exhibitions)

On Using Distributed Extended XQuery for Web Data Sources as Services by Muhammad Intizar Ali, Reinhard Pichler, Hong-Linh Truong, and Schahram Dustdar

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Track: Posters II (Exhibitions)

Developing an Enterprise Web Application in XQuery by Martin Kaufmann and Donald Kossmann

Enhancing WS-BPEL Dynamic Invariant Generation using XM Schema and XPath Information by Manuel Palomo-Duarte, Antonio García-Domínguez, and Inmaculada Medina-Bulo

HyperAdapt: Enabling Aspects for XML by Matthias Niederhausen, Sven Karol, Uwe Abmann, and Klaus Meißner

WAB*: A Quantitative Metric Based on WAB by Ana Belén Martínez, Aquilino A. Juan, Darío Álvarez, and M^a del Carmen Suárez

Track: Web 2.0

(Full paper) **Personal News RSS Feeds Generation using Existing News Feeds** by Bin Liu, Hao Han, Tomoya Noro, and Takehiro Tokuda

(Short paper) **A Tag Clustering Method to Deal with Syntactic Variations on Collaborative Social Networks** by José Javier Astrain, Francisco Echarte, Alberto Córdoba, and Jesús E. Villadangos

(Short paper) **Relating RSS News/Items** by Fekade Getahun, Joe Tekli, Richard Chbeir, Marco Viviani, and Kokou Yetongnon

(Short paper) **A Layout-Independent Web News Article Contents Extraction Method Based on Relevance Analysis** by Hao Han and Takehiro Tokuda

Track: Quality

(Full paper) **An Extensible Monitoring Framework for Measuring and Evaluating Tool Performance in a Service-oriented Architecture** by Christoph Becker, Hannes Kulovits, Michael Kraxner, Riccardo Gottardi, and Andreas Rauber

(Full paper) **A Quality Model for Mashup Components** by Cinzia Cappiello, Florian Daniel, and Maristella Matera

(Short paper) **Toward the Discovery of Data Quality Attributes for Web Portals** by Carmen Moraga, M^a Ángeles Moraga, Coral Calero, and Angélica Caro