

IADIS International Conference WWW/Internet 2004

CONFERENCE GENERAL INFORMATION

Secretariat

IADIS Secretariat (during conference days):

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Secretariat welcome desk:

6th October, from 8:30 to 19:30, 7th October, from 8:30 to 19:15, 8th October, from 8:30 to 15:30 and 9th October, from 8:30 to 14:00

Meals and Coffee-Breaks

Lunches will be served to registered conference participants on the days of 6th, 7th and 8th of October, from 13:00 to 14:30.

Coffee-breaks will be served to conference participants on the days of 6th, 7th, 8th and 9th (in the last day only in the morning).

Messages and Internet

Any messages sent to participants will be taken by the conference secretariat. Email facilities are available to all registered conference participants in the secretariat room. Internet access points are also available.

Conference Tour and Dinner

Visit to historical city of Toledo by bus followed by conference dinner at the historical restaurant of Hostal del Cardenal (<http://www.hostaldelcardenal.com/>).

Toledo is one of the luxuries found in Spain. Its privileged location, and the natural turn of the of the Tagus River, together with its continuous population from ages ago, create a unique city in which beautiful and harmonious buildings of an array of architectural styles. In its medieval past, Toledo appears as one of the cradles of Western culture through its Toledan School of Translators, which in itself is an example of the tolerance and coexistence of the Jewish, Muslim and Christian cultures.

Cradle of Monarchs, and the seat of principal archbishops, Toledo constitutes a tourist attraction point of first order sheltered in the knowledge stored in its Mosques, Synagogues, churches and convents. The cathedral, the monastery of Saint John of the Kings, the doors and the walled enclosure or the Alcazar portray the special attractiveness of its streets and plazas. They surround the traveler with an enchantment as Becquer or Galdos described, and El Greco portrayed in his paintings.

Toledo is also known for its special musical splendor, and the bounty of its table in which the traveler can taste traditional recipes, specially its world reknown marcipans.

Casual dressing. Tickets for this can be bought at the welcome desk.

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CONFERENCE AT A GLANCE

	October, 6 Wednesday	October, 7 Thursday	October, 8 Friday	October, 9 Saturday
8:30	Welcome Desk - Registration			
9:00				
9:45	Opening Session	Parallel Sessions	Parallel Sessions	Parallel Sessions
10:00	Keynote Session			
11:00	Coffee - Break	Coffee - Break	Coffee - Break	Coffee - Break
11:30	Parallel Sessions	Parallel Sessions	Parallel Sessions	Parallel Sessions
13:00	Lunch (13:00 - 14:30)			Closing Session
14:30		Parallel Sessions	Posters	Tour + Conference Dinner
15:30	Parallel Sessions	Keynote Session		
16:30	Coffee - Break	Coffee - Break		
17:00	Parallel Sessions	Parallel Sessions		
20:00	Welcome Cocktail			

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CONFERENCE PROGRAM

Wednesday 6th, October 2004

08:30-19:30 Welcome Desk

09:45-10:00 Session O – Opening Session
(Room Atocha)

OPENING SESSION

Prof. Pedro Isaias and Prof. Nitya Karmakar

10:00-11:00 Session KL1 – Keynote Presentation
(Room Atocha)

NEW DIRECTIONS FOR RESEARCH ON WEB-BASED LEARNING

Prof. Thomas Reeves, University of Georgia, USA

11:00-11:30 Coffee Break

11:30-13:00 Session FP 6.1
e-Business and e-Commerce
(Room Atocha)

DIMENSIONS OF FACILITATORS FOR NON-BUSINESS E-COMMERCE ADOPTION (F058)

Nelson Oly Ndubisi and M.A. Masmurniwati

A STUDY ON MOBILE GAME ADOPTION UNDER HPI(HIGH-SPEED PORTABLE INTERNET) ENVIRONMENT (F317)

Young Seog Yoon, Im Sook Há and Mun-Kee Choi

PARADIGM SHIFT IN E-CULTURE IN DEVELOPING COUNTRIES: A CASE STUDY (F277)

Daniel Chandran

11:30-13:00 Session FSP 6.2
Security Issues // Semantic Web
(Room Plaza de Oriente)

HIGH COST ELIMINATION METHOD FOR BEST CLASS PERMUTATION IN ACCESS LISTS (F203)

Faheem Bukhatwa

VOTING WITH DESIGNATED VERIFIER SIGNATURE-LIKE PROTOCOL (F335)

Emmanuel Dall'Olio and Olivier Markowitch

SECURITY ASSERTION EXCHANGE FOR THE AGENT ON THE SEMANTIC WEB (F315)

Joo-Young Lee and Ki-Young Moon

11:30-13:00 Session FSP 6.3
Information Visualization
(Room Recoletos)

FUTURE OF TRAFFIC INFORMATION: ONLINE-SIMULATION OF A LARGE SCALE FREEWAY NETWORK (F027)

F. Mazur, R. Chrobok, S. F. Hafstein, A. Pottmeier and M. Schreckenberger

PRODUCTS' REVIEW PAGE PROJECTION USING THE NUMBER OF EVALUATING EXPRESSIONS (S095)

Tadahiko Murata and Nobuaki Kakito

CORE-KM: A CUSTOMIZABLE KNOWLEDGE MANAGEMENT ENVIRONMENT (S_105)

Cátia Galotta, Ana Regina C. da Rocha and Kátia Marçal Oliveira

A SYSTEM FOR ANALYZING AND VISUALIZING BUSINESS SOLUTIONS PROVIDED BY INFORMATION TECHNOLOGY COMPANIES IN JAPAN (S349)

Kei Nishimura, Koichi Kato and Yoichi Muraoka

11:30-12:50 Session FSP 6.4

Virtual Reality
(Room Castellana)

VIRTUAL RECREATION OF REAL 3D SPACES THROUGH INTERNET USING SHOCKWAVE TECHNOLOGY (F024)

P. Saco, M. Mariñas, J. Flores, A. Otero, J. Varela, J. Arias

USING ONTOLOGIES TO BUILD VIRTUAL WORLDS FOR THE WEB (F111)

Wesley Bille, Olga De Troyer, Frederic Kleineremann, Bram Pellens and Raúl Romero

A SOFTWARE TOOLKIT FOR WEB-BASED VIRTUAL ENVIRONMENTS BASED ON A SHARED DATABASE (F121)

B.W. van Schooten, A. Nijholt and E.M.A.G. van Dijk

AN INTERNET-BASED AUTOMATED VIRTUAL REALITY GENERATOR FOR PAIN RELIEF (S385)

Yingcai Xiao and Michael Tipton

13:00-14:30 Lunch Break

14:30-16:30 Session FSP 6.5
Web Engineering
(Room Atocha)

DEVELOPMENT EFFORT ESTIMATION FOR WEB APPLICATIONS WITH MMWA: A CASE STUDY (F048)

Leonardo Mangia and Roberto Paiano

MODEL-DRIVEN RENEWAL OF LAN-BASED BUSINESS INFORMATION SYSTEMS TOWARDS WEB-BASED SYSTEMS (F118)

S. K. Petsios, D. I. Fotiadis and A. Zarras

INTEGRATING QUERY AND HYPERTEXT MODELING IN WEB INFORMATION SYSTEMS DEVELOPMENT (S345)

José María Caveró, Esperanza Marcos, Belén Vela, Paloma Cáceres and Carmen Costilla

PATTERN DEFINITION TO REFINE NAVIGATION STRUCTURE IN HYPERMEDIA/WEB APPLICATIONS (S106)

Sven Casteleyn, Irene Garrigós and Peter Plessers

WAPS: WEB APPLICATION PROTOTYPING SYSTEM (S178)

Roberto Paiano and Andrea Pandurino

14:30-16.30 Session FSP 6.6
Performance Issues
(Room Plaza de Oriente)

A NEW PERFORMANCE EVALUATION TECHNIQUE FOR WEB INFORMATION RETRIEVAL SYSTEMS (F038)

Fidel Cacheda, Francisco Puentes and Victor Carneiro

A SCALABLE I/O ARCHITECTURE AND FILE SYSTEM FOR INTERNET SERVERS (F090)

Chei-Yol Kim, Sung-Hoon Sohn, Baik-Song Ahn, Gyu-Il Cha, Sung-In Jung and Myung-Joon Kim

A NOTE ON THE DISTRIBUTION OF PACKET ARRIVALS IN HIGH-SPEED DATA NETWORKS (S003)

Vic Grout, Stuart Cunningham, Denise Oram and Rich Hebblewhite

A SURVIVAL APPROACH FOR NETWORK PERFORMANCE ANALYSIS (S029)

José A. Hernández-Gutiérrez and Iain W. Phillips

AN INVESTIGATION INTO CONTRIBUTING FACTORS IN WEB PAGE DOWNLOAD DELAYS (S196)

Kevin Curran and Connor Duffy

14:30-16:20 Session FSP 6.7

**Accessibility
(Room Recoletos)**

AN INVESTIGATION INTO GUIDELINES FOR MAKING WEBSITES ACCESSIBLE TO THE VISUALLY IMPAIRED (F044)

Sophie Ingleby, Thomas Chesney and Alison Varey

RSS-BASED SEMANTIC WEB SITE DESCRIPTION. MAKING THE WEB MORE ACCESSIBLE (F268)

Eric Noam Rodriguez Suazo, José Gabriel Zato Recellado and Jesús Barrasa Rodríguez

GENERATING ACCESSIBLE AND USABLE INTERNET SYSTEMS (F360)

Kevin Charles Lano and R. Jesmin

USING THE CONCEPT OF USER POLICIES FOR IMPROVING HTML DOCUMENTS ACCESSIBILITY (S366)

Encelle Benoit and Baptiste-Jessel Nadine

14:30-16:40 Session FSP 6.8

**Information Architectures // Internet Services
(Room Castellana)**

DESIGN PROCESS OF A MULTILINGUAL VIRTUAL LIBRARY (F283)

C. Rodrigo, J. Hidalgo, M.L. Cacheiro and A. Del Olmo

A PROFILE-BASED ARCHITECTURE FOR A FLEXIBLE AND PERSONALIZED INFORMATION ACCESS (S375)

Max Chevalier, Chantal Soulé-Dupuy and Pascaline Laure Tchienhom

SPECULATIVE TCP CONNECTION ADMISSION USING CONNECTION MIGRATION IN CLUSTER-BASED SERVERS (F253)

Vlad Olaru and Walter F. Tichy

DYNAMIC DISCOVERY OF AVAILABLE RESOURCES IN COMPUTATIONAL GRID ENVIRONMENTS (F189)

Alan Bradley, Kevin Curran and Gerard Parr

A MOBILE-AWARE BUSINESS LOGIC CONTAINER (S280)

Robert Steele and Elaine Lawrence

16:30 - 17:00 Coffee Break

17:00-17:50 Session FSP 6.9

**Security Issues
(Room Atocha)**

ENHANCING WLAN SECURITY BY INTRODUCING EAP-TLS SMARTCARDS (F_002)

Mohamad Badra and Pascal Urien

FIGHTING SPAM: MOTIVATING AN ACCOUNT-BASED APPROACH (S123)

Guido Schryen

17:00-19:30 Session FSP 6.10

**E-government
(Room Plaza de Oriente)**

ELECTRONIC MARKETS FOR PUBLIC SERVICES: THE COMPLEXITY OF MARKET MAKERS' MOTIVES (F_032)

Agneta Ranerup

CAPACITY BUILDING FOR THE STATE SOCIAL PROTECTION FUND AS A CONSTITUTIONAL PART OF THE STATE E-GOVERNMENT STRATEGY OF AZERBAIJAN REPUBLIC (F211)

Oktay Ibrahimov and Sultan Hajjyev

AN ELECTRONIC VOTING SCHEME WITH PHYSICAL MULTIPLE ADMINISTRATORS AND IDENTICAL BALLOT BOXES (F267)

P. S. Alefragis, S.K. Lounis, V. D. Triantafillou and N. S. VorosE-

ELECTRONIC GOVERNMENT AND SOCIAL CONTROL OF THE STATE (S059)

Robert Willecke, Hugo Cesar Hoeschl and Marco Aurélio Zimmermann

SOFTWARE FOR SELF-GOVERNMENT (S127)

Thomas B. Senior and Brian Warboys

INTEGRATED GOVERNMENTAL PUBLICATION SYSTEM (S177)

Carlos del Cuwillo, Héctor García, Diego Pérez and Eva Franco

Robert Willecke, Hugo Cesar Hoeschl and Marco Aurélio Zimmermann

17:00-19:30 Session FP 6.11

**WWW/Internet Applications
(Room Recoletos)**

CHALLENGES FOR NETWORK COMPUTER GAMES (F041)

Yusuf Pisan

GENESYS: INOVATIVE FRAMEWORK FOR COMPREHENSIVE SUPERVISION IN MULTIPLE DOMAINS (F099)

Balázs Pataki, Andrey Sadovykh and Stefan Wesner

CONTACTS MANAGER: A MOBILE WEB APPLICATION CONSUMER OF WEB SERVICES (F078)

Artur Afonso de Sousa, Cristina Wanzeller, Rui Pedro Duarte, Manuel Batista, António Soares and Carlos Fernandes

INTERNET BANKING IN INDIA: A GLIMPSE OF ITS ADOPTION AND IMPLEMENTATION IN INDIA THROUGH CASE STUDIES (F232)

Sonal Chawla

A DISTRIBUTED MONITORING SYSTEM WITH GLOBAL NETWORK AND WEB TECHNOLOGY (S128)

Yoshiro Imai, Daisuke Yamane and Osamu Sadayuki

17:00-19:40 Session FSP 6.12

**Technology Management
(Room Cibeles)**

EXPERT SYSTEMS AND BUSINESS INTELLIGENCE APPLICATIONS IN KNOWLEDGE MANAGEMENT PROCESSES (F151)

Leszek Kiełtyka and Edyta Kulej-Dudek

TOWARDS GRID ENABLED INFORMATION RETRIEVAL (F219)

Babak Akhgar, Nahum Korda, Jawed Siddiqi and Mehrdad Naderi

BUSINESS ENVIRONMENT CHANGE AND SERVICE PLATFORM ARCHITECTURE INTERCONNECTION (F330)

Kimmo Palletvuori

WEB SERVICES DEPLOYMENT: ROAD MAP & CHALLENGES (F222)

Jawed Siddiqi, Babak Akhgar, Mehrdad Naderi and Mark Straw

KNOWLEDGE MANAGEMENT IN POLISH ENTERPRISES IN THE AGE OF INFORMATION SOCIETY (S154)

Edyta Kulej-Dudek

INFORMATION SYSTEM LIFE CYCLE AND MANAGEMENT ROLES (S230)

Carlos J. Costa

17:00-19:10 Session SP 6.13

**e-Learning
(Room Castellana)**

A CLIENT-SERVER FRAMEWORK FOR E-LEARNING AND EXAMINATION (S036)

Marco Aguzzi and Maria Grazia Albanesi

MULTIMEDIA INTERACTIVE LEARNING OBJECTS (MILO'S) (S037)

John Shearer

BILINGUAL E-LEARNING ACROSS THE PACIFIC (S086)

Emile Chungtian Chi, Roberta Marsha Klibaner, Ke-Ping Yuan and Zhanyang Zhang

E-GIRLS – TOWARDS TECHNOLOGY LEADS GIRLS CLOSER TO ENGINEERING (S236)

Marika Keskinen and Leena Korpinen

INTELLIGENT TUTORING AND SUPERVISED PROBLEM SOLVING IN THE BROWSER (S254)

William Billingsley, Peter Robinson, Mark Ashdown and Chris Hanson

ONLINE AND TRADITIONAL (BLENDED) DELIVERY ON A COURSE: A COMPARATIVE STUDY (S274)

Samia Kamal

CASE STUDY: HOW TO IMPLEMENT CALCULATION EXERCISES IN A VIRTUAL COURSE? (S339)

Marika Keskinen and Leena Korpinen

20:00 Welcome Cocktail (free for all conference registered participants).

Thursday 7th, October 2004

08:30-19:15 Welcome Desk

09:00-11:10 Session FSP 7.1

**Adaptive Web Systems
(Room Atocha)**

SEEKING FOR CLUES ABOUT USERS' INFORMATION NEEDS IN THEIR NAVIGATIONS (F147)

Jean-Yves Delort and Bernadette Bouchon-Meunier

A GENERIC FRAMEWORK FOR ASSESSMENT IN ADAPTIVE EDUCATIONAL HYPERMEDIA (F329)

Lilia Cheniti-Belcadhi, Rafik Braham, Nicola Henzea and Wolfgang Nejdil

HELPING PEOPLE SEARCHING THE WEB: TOWARDS AN ADAPTIVE AND A SOCIAL SYSTEM (F343)

Max Chevalier, Claude Chrismont and Christine Julien

A QUALITY OF SERVICE AWARE WEB SERVER (S159)

Kristoffer Getchell, Martin Bateman, Colin Allison and Alan Miller

MOGINMA: AN AUTONOMOUS GRID NODE

MONITORING AGENT (S305)

Arshad Ali, Fawad Nazir, Hamid Abbas Burki, Tallat Hussain Tarar, Hafiz Farooq Ahmad and Hiroki Suguri

09:00-11:20 Session FSP 7.2

**Personalized Web Sites And Services
(Room Plaza de Oriente)**

SIMPLIFYING THE CLICKSTREAM RETRIEVAL USING WEBLOGGER TOOL (F069)

João Silva and João Bernardino

A CONTEXT AWARE USER PROFILE FOR PERSONALIZATION (F100)

D. Halvatzaras and M.H. Williams

QUERY-BASED INDEXING IN COLLABORATIVE SEARCH (F364)

Jill Freyne and Barry Smyth

EXTENDING USER INTERFACE DESCRIPTION LANGUAGES FOR PERSONALIZATION ON HETEROGENEOUS DEVICES (S181)

Manuel-Jesús Prieto, Miguel-Angel Sicilia and David Palomar

IDUX: INTERNATIONALIZATION OF DATA USING XML (F057)

Darcy G. Benoit and Tomasz Müldner

09:00-11:10 Session FSP 7.3

**Collaboration
(Room Recoletos)**

SYMMETRIC SYNCHRONOUS COLLABORATIVE NAVIGATION (F064)

Luca Gerosa, Alessandra Giordani, Marco Ronchetti, Amy Soller and Ron Stevens

A FRAMEWORK FOR SYMBOLIC DISTRIBUTED COMPUTER-AIDED DESIGN OVER THE INTERNET (F347)

Yingcai Xiao and Shivakumar Kubendrachari

COLLABORATIVE TASK SCHEDULING METHOD BASED ON SOCIAL NETWORK ANALYSIS FOR CELLPHONE APPLICATION (F353)

Ikki Ohmukai and Hideaki Takeda

MASTERING THE MYSTERY THROUGH "SAIQ" METRICS OF USER EXPERIENCE IN TELECOLLABORATION BUSINESS SYSTEMS (S082)

Venkatesh Mahadevan, Zenon Chaczko and Robin Braun

ROLE OF SOCIAL AND HUMAN CAPITAL IN VIRTUAL COLLABORATION (S320)

Ana Hol and Robyn Lawson

09:00-11:00 Session FSP 7.4

**Teaching and Learning Strategies
(Room Castellana)**

NEW PERSPECTIVES ON TEACHING AND LEARNING SOFTWARE SYSTEMS DEVELOPMENT IN LARGE GROUPS – TELECOLLABORATION (F183)

Zenon Chaczko, David J Davis and Craig Scott

A DIFFERENT PEDAGOGICAL APPROACH TO TEACHING A WEB APPLICATIONS COURSE (F392)

Roy P. Pargas

ELECTRONIC CASE STUDIES: A PROBLEM-BASED LEARNING APPROACH (S260)

Philip M. Drinkwater, Christopher P. Holland and K. Nadia Papamichail

MEMORY INSPECTOR: A DATA REPRESENTATION TUTORIAL (S247)

Joaquin Vila Ruiz and Barbara Beccue

INFORMATION COMPETENCE NEEDED TO ACHIEVE FLEXIBLE LEARNING? (S325)

Kåre Skantz and Erik Holmqvist

11:00 - 11:30 Coffee Break

11:30-13:00 Session FSP 7.5

**Searching and Browsing
(Room Atocha)**

PARTICIPATORY SEARCH (F094)

G. Attardi, A. Esuli, L. Hancu and M. Simi

RELEVANT INFORMATION RETRIEVAL FOR COOPERATIVE WEB ARCHITECTURE (S089)

Aki Kobayashi, Kuangmin Tan, Katsunori Yamaoka and Yoshinori Sakai

"SURFING FOR KNOWLEDGE" FINDING SEMANTICALLY SIMILAR WEB CLUSTERS (S130)

David Cleary and Diarmuid O' Donoghue

VISUALIZATION OF WEB LINK SPACE FOR NEIGHBORING SEARCH (S251)

Hidetomo Miyahara, Aki Kobayashi, Katsunori Yamaoka and Yoshinori Sakai

11:30-13:00 Session FP 7.6

Semantic Web

(Room Plaza de Oriente)

A TOPIC MAP EDITOR AND NAVIGATION TOOL(F245)

A. Hatzigaidas, A. Papastergiou, G. Tryfonand A. Manitsaris

ORGANIZING THE WEB: SEMI-AUTOMATIC CONSTRUCTION OF A FACETED SCHEME(F175)

Kiduk Yang, Elin K. Jacob, Aaron Loehrlein, Seungmin Lee and Ning Yu

ON MANAGING AND VISUALIZING THE SEMANTIC WEB: USING QUERIES FOR IDENTIFYING AND LABELING THE METASTRUCTURES OF RDF DATA (F120)

Ossi Nykänen

11:30-13:00 Session SP 7.7

Intelligent Agents // Other

(Room Recoletos)

ON IMPLEMENTING FUZZY SEMANTIC WEB AGENTS WITH THE CWM RULE SYSTEM (S042)

Ossi Nykänen

ATEAM – AGENT MEDIATED TEAM PERFORMANCE MODEL (S071)

Mauro Nunes and Henrique O'Neill

MULTI AGENT KNOWLEDGE DISCOVERY (S133)

María C. Gaya and Ignacio Giráldez

SUPPORTING WEB-BEINGS AND WEB-MOBS WITH AN INTELLIGENT WEB ARCHITECTURE (S396)

E. Sánchez, P. Jorge and F. Pérez

PROCESS MATURITY FOR SOFTWARE PROJECT OUTSOURCING (S304)

Aatif Kamal, Arshad Ali, Ashiq Anjum, Fawad Nazir, Hafiz Farooq Ahmad, Hamid Abbas Burki, Hiroki Suguri, Umair Ali Shah and Tallat Hussain Tarar

11:30-13:10 Session FSP 7.8

Ubiquitous Computing

(Room Castellana)

A MIDDLEWARE SERVICE FOR MANAGING TIME AND QUALITY DEPENDENT CONTEXT (F205)

Tasos Kontogiorgis, Dimitrios Fotiadis and Apostolos Zarras

AN EXPLORATORY ARCHITECTURE FOR AN INHABITED WEB (F313)

Ivan Tomek

A CSP BASED ONTOLOGY FOR A SMART HOME (S033)

José Ignacio Rendo Fernández, Iain Phillips and Adrian Lawrence

DEVELOPING PERVASIVE SERVICES FOR FUTURE TELECOMMUNICATION NETWORKS (S156)

Babak Farshchian, Josip Zoric, Lars Mehrmann, Alison Cawsey, Howard Williams, Patrick Robertson and Christian Hauser

13:00-14:30 Lunch Break

14:30-15:20 Session FSP 7.9

Technology Innovation And Competitiveness

(Room Atocha)

THE VIRTUAL KIOSK FOR THE ELECTRONIC NEWSPAPER (F122)

Jürgen Karla

TECHNOLOGICAL PROGRESS: AN IMPORTANT VARIABLE IN THE PORTUGUESE BANKING SYSTEM STRUCTURE REFORM? (S143)

Fernando Alberto Freitas Ferreira and Pedro Manuel Mendonça Silva Cravo

14:30-15:30 Session FP 7.10

e-Business and e-Commerce

(Room Recoletos)

IMPLEMENTING E-BUSINESS INTEROPERABILITY WITH VERTICAL DOMAIN APIS FOR WEB SERVICES (F187)

George Feuerlicht and Sooksathit Meesathit

TOWARDS UNDERSTANDING OF FACTORS INFLUENCING USER ACCEPTANCE OF MOBILE PAYMENT SYSTEMS (F258)

Agnieszka Zmijewska, Elaine Lawrence and Robert Steele

14:30-15:30 POSTER SESSION

(Room Castellana)

E-LEARNING: THE DEPARTURE OF THE HUMAN FACTOR IN EDUCATION

Stuart Cunningham, Richard Hebblewhite, Vic Grout and Denise Oram

THE NAVIGATIONAL ASPECT IN THE REQUIREMENT SPECIFICATION OF NDT

M.J. Escalona, A.M. Reina, J.Torres and M.Mejías

THE USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES FOR THE ENHANCEMENT OF THE BRAZILIAN NATIONAL HYDRO RESOURCES POLICY

Érica Bezerra Queiroz Ribeiro, Hugo Cesar Hoeschl and Filipe Corrêa da Costa

INFORMATION TECHNOLOGIES IN KNOWLEDGE MANAGEMENT IN SMALL AND MEDIUM COMPANIES IN THE SOUTH OF POLAND

Leszek Kiełtyka

OMNIPAPER SMART INFORMATION RETRIEVAL PROTOTYPE

Bert Paepen

AID SYSTEM TO RESIDENT CHILDREN

Carlos del Cuvillo, Héctor García, Diego Pérez and Eva Franco

WSMX – AN ARCHITECTURE FOR THE EXECUTION OF SEMANTIC WEB SERVICES

Matthew Moran and Michal Zaremba

ICT APPLICATION IN IRAN: VISION FOR E-SOCIETY AND E-GOVERNMENT

Sirous Alidousti and Nader Naghshineh

THE DIGITAL DIVIDE: UNDERSTANDING AND BRIDGING THE GAP IN THE SAUDI CONTEXT

Ali Al-Solbi and Pam J. Mayhew

15:30-16:30 Session KL2 – Keynote Presentation

(Room Atocha)

THE PC IN 6 TO 10 YEARS AND WHAT THIS WILL MEAN FOR SOCIETY

Prof. Herman Maurer

16:30 - 17:00 Coffee Break

17:00-19:20 Session SP 7.11

e-Business and e-Commerce

(Room Atocha)

IN-HOME SHOPPING THROUGH INTERNET: CONSUMER SATISFACTION AND PERCEIVED RISK (S025)

Bráulio Alturas

A PRELIMINARY STUDY OF WWW-MEDIATED CONSUMER-TO-CONSUMER INTERACTION (S072)

Irene Pollach

BUSINESS MODELS FOR HOTSPOT AN EXPLORATORY STUDY (S229)

Carlos J. Costa and Manuela Aparicio

MARKETING CAPABILITY AND E-BUSINESS PERFORMANCE: A CASE STUDY OF A RETAIL BANK (S367)

Helena Ahola and Johanna Ahola

AUTOMATIC SALE SYSTEM ON WEB (S150)

Fabricao Tadeu Donatti, Eduardo da Silva Mattos, Valdir Antônio Luiz Junior and Hugo Cesar Hoeschl

RE-ENGINEERING OF A DISTRIBUTED OBJECT INFRASTRUCTURE FOR HETEROGENEOUS ENTERPRISE COMPUTATION OF CONTINUAL QUERIES (S376)

Jennifer Leopold and Ritesh Harankhedkar

APPROACH FOR PRESERVATION THE AUTHENTICITY OF DIGITAL OBJECTS – THE EKEEPER SERVICE (S369)

Aleksej Jerman Blažič and Borka Džonova Jerman

17:00-19:10 Session FSP 7.12

**e-Learning
(Room Recoletos)**

RURAL AND REMOTE STUDENTS, THE ARTS AND LOCAL HISTORY: CREATIVE ENCOUNTERS THROUGH WEB-BASED LEARNING AND E-MENTORING (F085)

Frank York and Lyn Henderson

PROBLEM-BASED LEARNING METHOD SIMULATION BY PBL VIRTUAL ENVIRONMENT (F235)

Hernane Borges de Barros Pereira and Gabriela Ribeiro Peixoto Rezende Pinto

THE INTERCOLLEGE STUDENT INTRANET (F370)

Philippos Pouyioutas, Maria Poveda, George Soleas, Victoria Kalogerou, Dmitri Apraksine and Andreas Kouroufexis

A MODEL OF LEARNING USING THE INTERNET (F382)

M. Dee Medley

SPERO - A PERSONALIZED INTEGRATED E-LEARNING SYSTEM (F356)

Tzouveli P., Mylonas P. and Kollias S.

09:00-11:00 Session FSP 8.2

**Database Planning and Development // XML
(Room Recoletos)**

A TRANSCODING BASED APPROACH FOR MULTI-DEVICE PORTAL CONTENTS ADAPTATION (F104)

Marco Mari and Agostino Poggi

TOWARDS EFFICIENT LOCKING OF REPOSITORY OBJECTS IN OMG MOF REPOSITORY SYSTEMS (S381)

Iliia Petrov, Stefan Jablonski and Marc Holze

PHYSIOLOGY OF MOBILE DATABASE: AN UNCONVENTIONAL DATABASE (S249)

Imran Khan and Nasir Touheed

FROM XML SCHEMA TO OBJECT-RELATIONAL DATABASE – AN XML SCHEMA-DRIVEN MAPPING ALGORITHM (F384)

Irena Mlynkova and Jaroslav Pokorny

A NEW USE OF XML FOR QUERYING DATABASES IN WEB APPLICATIONS (S026)

Ana María Feroso García, María Jose Gil Larrea and Roberto Berjón Gallinas

17:00-19:10 Session FSP 7.13

**Searching and Browsing // Web Software
(Room Cibeles)**

AN ONTOLOGY-GUIDED ANNOTATION SYSTEM FOR TECHNOLOGY MONITORING (F372)

Tuan-Dung Cao, Rose Dieng-Kuntz and Bruno Fiés

TESTING SMART INFORMATION RETRIEVAL PROTOTYPES (S152)

Bert Paepen, Sven Van Hemel and Markus Schranz

CONVERGENCE OF CONCEPT MAPS AND TOPIC MAPS: PROTOTYPE BASIS(S242)

Piedad Garrido Picazo and Jesús Tramullas Saz

EFFECTS OF COGNITIVELY DESIGNED HOME PAGES WITH READERS' PRIOR KNOWLEDGE ON THE WEB (S341)

Kashif Hussain, Françoise Anceaux and Sylvie Leleu-Merviel

COST-EFFECTIVE MANAGEMENT OF INTERNET SERVICES (S184)

Francesco Gennai and Marina Buzzi

HISTORY USING BROWSING DURATION TO ASSIST BROWSING ACTIVITY (S035)

Tadahiko Murata and Shoko Shirato

11:00-11:30 Coffee Break

11:30-13:10 Session FSP 8.3

**Usability
(Room Atocha)**

DESIGNERS' PERSPECTIVE OF WEBSITE USABILITY: THE CULTURAL DIMENSION (F124)

Ali Al-Badi and Pam Mayhew

WEB PAGE USABILITY ANALYSIS BASED ON VAGUE PERCEPTUAL CONCEPTS (F185)

David Palomar and Miguel-Angel Sicilia

DEPLOYMENT OF ICT APPLICATION IN RURAL INDIA – OUR EXPERIENCE (S101)

Sree Kumar R, Neela Narayanan V and Balaji R

A FIRST APPROXIMATION TO ESTIMATE THE USABILITY OF A SOFTWARE APPLICATION TASK (S113)

M. González Aparicio, J.A. López Brugos and A. Neira Alvarez

11:30-13:10 Session SP 8.4

**System Integration
(Room Recoletos)**

DESIGN ISSUES AND MANAGING METHOD OF INTEGRATED GATEWAY SYSTEM FOR MOBILE INTERNET SERVICE (S168)

Soon-Choul Kim, Jae-Hong Ryu and Won Ryu

SMS TRANSMISSION USING PDU MODE AND 7-BIT CODING SCHEME (S179)

Andrés Ortiz and Alberto Prieto

AN ARCHITECTURE FOR ENTERPRISE APPLICATION INTEGRATION WITH WEB SERVICES USING MDA (S266)

Samyr Béliche Vale and Zair Abdelouahab

WEB SERVICE BASED MULTI-CHANNEL APPLICATION(S371)

Paulo Alexandre Neves, Octávio Pereira, João Silva and Paulo Ramalho

USING EAI TO BUILD PUBLIC ACCESS WEB-BASED INFORMATION SYSTEMS (S351)

Nicola Aloia, Cesare Concordia and Sabrina Tardelli

Friday 8th, October 2004

08:30-13:00 Welcome Desk

09:00-11:20 Session FP 8.1

**Digital Libraries and e-Publishing
(Room Atocha)**

ACCESS MANAGEMENT IN FEDERATED DIGITAL LIBRARIES (F114)

Kailash Bhoopalam, Kurt Maly, Mohammed Zubair and Ravi Mukkamala

DETECTING UNAUTHORIZED USE IN ONLINE JOURNAL ARCHIVES: A CASE STUDY (F373)

Paul Seligman and Sean Smith

USING SPKI/SDSI FOR DISTRIBUTED MAINTENANCE OF ATTRIBUTE RELEASE POLICIES IN SHIBBOLETH (F374)

Sidharth Nazareth and Sean Smith

USING DATA WAREHOUSING AND DATA MINING TECHNIQUES FOR THE DEVELOPMENT OF DIGITAL LIBRARIES FOR LMS (F386)

Cassia Blondet Baruque and Rubens Nascimento Melo

STRUCTURATION AND METADATA FOR ELECTRONIC LIBRARY (S261)

Omar Larouk and Salah Dalhoumi

13:00-14:30 Lunch Break

15:30 - Tour and Conference Dinner

Saturday 9th, October 2004

08:30-14:30 Welcome Desk

09:00-11:00 Session FSP 9.1

e-Learning
(Room Atocha)

TEACHING X.509/PKIX BASED DIGITAL SIGNATURES WHILE ENHANCING NON-REPUDIATION OF A WEB BASED ASSESSMENT SYSTEM (F110)

Ana Isabel González-Tablas Ferreres, Karel Wouters and Benjamin Ramos Álvarez

OPTIM: AN OPEN PLATFORM FOR TEACHING INTERACTIVELY WITH MULTIMEDIA (F323)

Henri Delebecque

DESIGNING A PERSONALIZED E-LEARNING EXPERIENCE USING LEARNING OBJECTS (S115)

Pilar Sancho, Borja Manero and Baltasar Fernández-Manjón

ENHANCING EDUCATIONAL METADATA WITH DIGITAL RIGHTS INFORMATION: THE EMDIR WEB-BASED ENVIRONMENT (S265)

Symeon Chatzinotas, Pythagoras Karampiperis and Demetrios Sampson

COMMUNITY-BASED SOLUTIONS IN E-LEARNING DEVELOPMENT – THE WAY TO GO? (S252)

Kaido Kikkas

09:00-11:00 Session FP 9.2

Web Engineering
(Room Plaza de Oriente)

SEPARATING FEATURES FOR ASSURING QUALITY ATTRIBUTES OF CLIENT WEB APPLICATIONS (F342)

M. Sh. Aun, I. M. Atiqul, S. Yuen and K. Agusa

MEASURING EFFECTIVENESS OF TEXT-DECORATED HTML TAGS IN WEB DOCUMENT CLUSTERING (F165)

Mark P. Sinka and David W. Corne

A METAMODEL FOR WEB PAGE DESIGN (F172)

Olivier Gerbé, Bernard Drolet and Brigitte Kerhervé

MODELING THE NAVIGATION WITH SERVICES (F241)

Esperanza Marcos, Paloma Cáceres and Valeria de Castro

09:00-11:00 Session FSP 9.3

Data Mining
(Room Recoletos)

A SCHEME FOR APPROXIMATE MATCHING EVENT ANNOUNCEMENTS TO A CUSTOMER DATABASE (F303)

Ray R. Hashemi and John R. Talburt

ON THE MULTIREOLUTION STRUCTURE OF INTERNET TRAFFIC TRACES (F318)

Konstantinos Drakakis and Dragan Radulovic

DOES OVERLAP MEAN RELEVANCE? (S129)

João Ferreira, Alberto Rodrigues da Silva and José Delgado

DISCOVERING DATA DEPENDENCIES IN WEB CONTENT MINING (S132)

José C. Cortizo and Ignacio Giráldez

OLAP IN ENTERPRISE DECISION MODELLING (S148)

Perihan Kilimci, Bora Gökçe and Oya Kalıpsız

09:00-11:00 Session FSP 9.4

Security Issues
(Room Castellana)

AUTHORIZATION OF USER PROFILE ACCESS IN IDENTITY MANAGEMENT (F047)

Wolfgang Woerndl

PRELIMINARY STEPS IN DESIGNING AND IMPLEMENTING A PRIVILEGE VERIFIER FOR PMI (F091)

Diana Berbecaru and Antonio Lioy

END TO END DEFENCE AGAINST DDOS ATTACKS (F158)

Anastasia Gemoni, Ishbel Duncan, Colin Allison and Alan Miller

HACKER ACTIVITY ON THE IRISH HONEYNET (F194)

Kevin Curran, Colman Morrissey, Colm Fagan, Colm Murphy,

Brian O'Donnell, Gerry Fitzpatrick and Stephen Condit

09:00-10:30 Session FSP 9.5

Global Tendencies in WWW/Internet // Social & Legal Issues
(Room El Prado)

ENGINEERING OF MINDS: THE SYNCHRONICITY BETWEEN ARTIFICIAL INTELLIGENCE AND THE MANAGEMENT OF KNOWLEDGE IN COLLABORATIVE NETWORKED ORGANIZATIONS (S053)

Tania C. D. Bueno, Hugo C. Hoeschl, Andre Bortolon and Ricardo M. Barcia

ON THE USE OF WEB SERVICE COMPOSITIONS FOR SYSTEMS MANAGEMENT AUTOMATION: A USE CASE (S075)

Dimka Karastoyanova and Alejandro Buchmann

EXPLORING AUDIO-VISUAL METAPHORS TO COMMUNICATE WEB SEARCH RESULTS: AN EXPERIMENTAL PLATFORM (F259)

Dimitrios Rigas and Nicholas Aghahowa

RETHINKING DIGITAL PIRACY (S088)

Vi Lam and Jerome Moscicki

11:00-11:30 Coffee Break

11:30-13:30 Session FSP 9.6

WWW/Internet Case Studies // WWW/Internet Impacts
(Room Atocha)

RESEARCH ON THE CONNECTIVITY COEFFICIENTS OF INTERNET TOPOLOGY (F007)

Wang Lin and Dai Guan-zhong

A STATISTICAL APPROACH FOR EXAMINING INTERNET TRAFFIC, METU-NET CASE (F068)

Cüneyt Sevgi

INTERNET DIFFUSION IN THE NON PROFIT SECTOR IN ITALY (S218)

Maurizio Martinelli, Irma Serrecchia, Michela Serrecchia and

Lorenzo Luconi Trombacchi

TELECOLLABORATION – A CASE STUDY FOR

PERFORMANCE ANALYSIS OF VOIP SYSTEMS (S083)

Venkatesh Mahadevan and Zenon Chaczko

11:30-13:40 Session FSP 9.7

Data Mining // Portal Strategies
(Room Plaza de Oriente)

WEB DOCUMENT CLASSIFICATION: MANAGING CONTEXT CHANGE (F352)

Sung Sik Park, Yang Sok Kim and Byeong Ho Kang

MINING RELAXED GRAPH PROPERTIES IN INTERNET (F377)

Wilhelmiina Hämäläinen, Hannu Toivonen and Vladimir Poroshin

EXTENDING OPEN SOURCE SOFTWARE SOLUTIONS FOR CRM TEXT MINING (S076)

Piotr Gawrysiak, Henryk Rybiński, Damian Gajda and Marcin Golebski

NATIONAL CENTER OF ECO-BUSINESS MANAGEMENT CENABIO (F040)

Filipe C. da Costa, Hugo C. Hoeschl, Tânia C. D'Agostini Bueno

and Christianne C.S.R. Coelho

INSTITUTES OF INTELLECTUAL PROPERTY AND THEIR ORIGINS (S039)

Cláudia Diaz Pomar, Thais Helena Bigliazzi Garcia, Hugo César Hoeschl and Daniela Secco

11:30-13:20 Session FSP 9.8
WWW/Internet Applications
(Room Recoletos)

**DYNAMIC CONFIGURATION OF A PERSONALIZED
TOURIST AGENDA (F092)**

Anna Goy and Diego Magro

**INFORMATION EXTRACTION FROM TEMPLATE-
GENERATED HIDDEN WEB DOCUMENTS (F278)**

Yih-Ling Hedley, Muhammad Younas, Anne James and Mark Sanderson

CRAWLING THE CLIENT-SIDE HIDDEN WEB (S322)

Manuel Álvarez, Alberto Pan, Juan Raposo and Ángel Viña

**A MIDDLEWARE PLATFORM SUPPORTING
ELECTRONIC SERVICE MARKETS (S093)**

Dirk Thißen

**DEPLOYMENT OF A WIRELESS MEASUREMENT
NETWORK FOR RAIN-FADE EVALUATION ON
MILLIMETRE RADIOCOMMUNICATION SYSTEMS
(S157)**

P. Mariño, F.P. Fontán, F. Machado, C. Enjamio and S. Otero

11:30-13:30 Session FSP 9.9
Interfaces // Computer-Mediated Communication
(Room Castellana)

**LOCATION OF THE TABLE OF CONTENTS IN WEB
DOCUMENTS: SAME SCREEN OR SEPARATE SCREEN
(F239)**

Virginia T. Souto and Mary C. Dyson

**TOWARDS INTEROPERABILITY OF WIRELESS
SERVICES – A DESCRIPTION MODEL OF SERVICE
INTERFACES (S321)**

Anne Immonen, Jarkko Holappa, Päivi Kallio and Jarmo Kalaoja

**INTERPLAY OF LINGUISTIC AND NON-LINGUISTIC
FEATURES IN INTERACTIVE TEXTS (S234)**

Päivö Laine

**COMPUTER-MEDIATED COMMUNICATION: CAN WE
MAKE IT BETTER? (F116)**

Sanjeet Bhachu, D. Ramanee Peiris and Annalu Waller

**COMPUTER-MEDIATED COMMUNICATION: WHAT CAN
WE LEARN FROM A DIVERSE RANGE OF USERS? (S119)**

Sanjeet Bhachu, D. Ramanee Peiris and Annalu Waller

11:30-13:00 Session FSP 9.10
Quality, Evaluation and Assessment // Multimedia
(Room El Prado)

**MULTIPLE DIMENSIONS OF USER SATISFACTION AS
QUALITY CRITERIA FOR WEB PORTALS (F264)**

Nikos Manouselis and Demetrios Sampson

**CONSTRUCTION OF EXPERT EVALUATION SYSTEMS
FOR WEB SITES (S270)**

Terje Aaberge, Øyvind Heimset Larsen and Svein Ølnes

**A CONCEPTUAL MODELING OF MULTIMEDIA
DOCUMENTS (S359)**

Mohamed Mbarki and Chantal Soulé Dupuy

**A DESIGN OF DIGITAL RIGHTS MANAGEMENT SYSTEM
UTILIZING MULTIMEDIA CONTENT IDENTIFIERS (S361)**

Seok-Hoon Kim, Sang-Hoon Oh and Jung-Hoon Hahm

**THE OUTLINE OF AN 'INTELLIGENT' IMAGE
RETRIEVAL ENGINE (S276)**

Belkhatir Mohammed, Mulhem Philippe and Chiramella Yves

13:45 Closing Session (Room Atocha)

Prof. Pedro Isaías and Nitya Karmakar