

IADIS International Conference Information Systems 2013

CONFERENCE PROGRAM

Wednesday 13th March 2013

08:30-19:30 Welcome Desk

**09:45-10:00 Session O – Opening Session
(Room: Madrid A+B)**

OPENING SESSION

Profs. Miguel Baptista Nunes and Pedro Isaías

**10:00-11:00 Session KL1 – Keynote Presentation
(Room: Madrid A+B)**

**ENGAGING WITH GRAND CHALLENGES:
CAN PRO-SOCIETAL INFORMATION SYSTEMS (PROSIS)
HELP CHANGE BEHAVIOURS?**

Prof. Richard Vidgen, Hull University Business School, UK

11:00-11:30 Coffee Break

11:30-13:00 Session FP 13.1

Business Process Change

(Room: Madrid A+B)

Chair: Richard Vidgen

**PATTERNS-BASED BUSINESS PROCESS MODELLING:
DEFINITION AND CLASSIFICATION (F048)**

Laden Aldin and Sergio de Cesare

**IMPROVING PROJECT PERFORMANCE USING
DEPENDENCY CYCLE EXTRACTION AND ANALYSIS
(F060)**

Matin Mavaddat, Stewart Green and Jin Sa

**MODELLING THE IMPLEMENTATION
OF AN ORGANIZATION: MAPPING ONTOLOGICAL
TRANSACTIONS INTO ACTIVITY DIAGRAMS (F160)**

Antonio Gonçalves, Marielba Zacarias and Pedro Sousa

11:30-13:10 Session FSP 13.2

**IS Design, Development and Management Issues and
Methodologies // Design and Development Methodologies
and Frameworks**

(Room: Madrid C)

Chair: Atsuhiko Takasu

**VISUALIZATION OF GEO-REFERENCED ENTITY:
AN ASPECT-ORIENTED PATTERN (F143)**

Armanda Rodrigues, Sara Silva and João Araújo

**UNDERSTANDING OF E-COMMERCE IS THROUGH
FEATURE MODELS AND THEIR METRICS (F062)**

Kestutis Valincius, Vytautas Stukys and Robertas Damasevicius

**A MODEL TO MANAGE THE SOFTWARE ESTIMATION
PROCESS THROUGH MATURITY LEVELS AND SERVICES
(S071)**

Bruno Omena Mesquita and Rodolfo Miranda de Barros

**WORKFLOW INTEGRATION INTO INFORMATION
SYSTEMS FOR BUSINESS PROCESSES OF EUROPEAN
COLLABORATIVE PROJECTS (S155)**

Klaus Bittner, Daniel Kimmig, Iris Warlo and Steffen Scholz

13:00-14:30 Lunch Break

14:30-16:30 Session FP 13.3

**IS in Practice, Technology Infrastructures and
Organisational Processes // IS and Change Management
(Room: Madrid C)**

Chair: Torsti Rantapuska

**HIGHWAY INCIDENT DETECTION BASED ON PROBE
CAR DATA (F049)**

Hiroto Akatsuka, Atsuhiko Takasu, Kenro Aihara and Jun Adachi

**A SELF-EFFICACY THEORY IN OPERATIONAL
EFFICIENCY IMPROVEMENT OF HUMAN RESOURCE
INFORMATION SYSTEMS (F166)**

O. Akeem Adenuga and Ray M. Kekwaletswe

**CLASSIFICATION RULES FOR REQUIREMENTS
OBSERVATION (F146)**

Takako Nakatani, Toshikazu Sano, Michitaro Okano, Narihito

Kondo, Yukiko Fujiwara, Ryu Nakazato, Mari Inoki, Shozo Hori,

Toshihiko Tsumaki, Michio Tsuda and Keiichi Katamine

14:30-15:20 Posters Session

(Room: Madrid A+B)

Chair: Miguel Baptista Nunes

**INTELLIGENT CLASSROOM INFORMATION SYSTEM
USING SENSING DATA AND PERSONAL RECORDS (P064)**

Masaki Fujisawa, Hiroshi Sugimura, Hiroto Hoshino and Kazunori Matsumoto

**TIME-SERIES DATAMINING SYSTEM WITH ANNOTATED
INFORMATION (P065)**

Hiroto Hoshino, Hiroshi Sugimura and Kazunori Matsumoto

**IMPROVING THE SECURITY OF MOBILE CLOUD USING
BIOMETRIC AUTHENTICATION (ISMBA) (P134)**

Itehab ALRassan and Hanan AlShaher

**VISUAL EXPLORATIVE INTERFACES FOR THE ACM
DIGITAL LIBRARY (P135)**

Xia Lin, Mi Zhang, Haozhen Zhao and Jan Buzydlowski

NFC FITNESS GUIDE (P165)

Arne Munch-Ellingsen, Sigmund Akselsen, Dag Sletteemås, Bente

Evjemo, Simon Andreas Engstrøm Nistad and Alexander Svendsen

15:30-16:30 Session FP 13.4

Risk Management in IS

(Room: Madrid A+B)

Chair: Marius Janson

**A FUZZY EXTENSION OF MAGERIT METHODOLOGY
FOR RISK ANALYSIS IN INFORMATION SYSTEMS (F046)**

Eloy Vicente, Antonio Jiménez and Alfonso Mateos

**IT OPERATIONAL RISK MANAGEMENT PRACTICES
IN AUSTRIAN BANKS: PRELIMINARY RESULTS
FROM EXPLORATORY CASE STUDIES (F055)**

Stefan Bauer and Edward W. N. Bernroider

16:30-17:00 Coffee Break

17:00-19:00 Session FP 13.5

IS Design, Development and Management Issues and Methodologies // Other

(Room: Madrid A+B)

Chair: Ray M. Kekwaletswe

UML CLASS DIAGRAMS – A COMPARATIVE STUDY ON APPROACHES TO FINITE SATISFIABILITY VERIFICATION (F034)

Paulo Bastos and Pedro Ramos

LEAVING THE HAPPY PATH: HANDLING EXCEPTIONS IN BUSINESS PROCESSES (F035)

Matthias Kurz, Matthias Lederer and Sebastian Huber

MULTI-CRITERIA ANALYSIS AND MODELING WITH GIS FOR THE LOCATION OF LANDFILLS: A CASE STUDY IN THE SOUTHERN REGION OF SANTIAGO ISLAND, CAPE VERDE (F058)

Adilson Cabral and Jorge Ferreira

INFORMATION SYSTEMS DEVELOPMENT PROJECTS AND THE SIMPT 2.0 CASE: HOW TO TURN AN ANTICIPATED FAILURE INTO A SUCCESS (F116)

Tommaso Federici, Umberto Crisalli, Danilo Scerbo and Alessio

Maria Braccini

17:00-18:40 Session FSP 13.6

Design Research and the Sciences of the Artificial in IS // Deductive vs Inductive Approaches // Other

(Room: Madrid C)

Chair: Xia Lin

THE DESIGN SCIENCE RESEARCH METHODOLOGY FOR IT PROJECT MANAGEMENT (F025)

Joseph M. McQuighan and Robert J. Hammell II

THE OWL-S EXTENSION FOR THE PERVASIVE SYSTEM (F078)

Fatma Achour, Anis Jedidi and Faiez Gargouri

ACQUISITION OF CHARACTERISTIC TREE PATTERNS WITH VLDC'S BY GENETIC PROGRAMMING (S114)

Shohei Nakai, Tetsuhiro Miyahara and Tetsuji Kuboyama

NFC CITY: CO-LOCATING NFC SERVICES IN A MULTI-SERVICE TRIAL APPROACH (S158)

Dag Slettemeås, Bente Evjemo, Sigmund Akselsen, Arne Munch-Ellingsen, Sindre Wolf and Victoria Jørgensen

Thursday 14th March 2013

08:30-16:00 Welcome Desk

09:00-11:05 Session FSRP 14.1

Innovation and IS // IS and SMEs

(Room: Madrid D)

Chair: Richard Vidgen

INVESTIGATING THE EFFECTS OF INNOVATIVE TECHNOLOGY ON SMARTPHONE USAGE WITH AFFORDANCE THEORY (F015)

Chin-Fu Ho and Jo-Peng Tsai

TESTING COLLABORATIVE SOFTWARE ACQUISITION MODEL (COSA) FOR COTS PACKAGE ACQUISITION (F039)

Torsti Rantapuska

ENTERPRISE SYSTEM POST-IMPLEMENTATION USE OF SALES PROCESSES BY GREEK SMES (F164)

Marios Mantakas and Dimitris Doukas

SOCIAL MEDIA READINESS IN SMALL BUSINESSES (S041)

Geetha Abeysinghe and Aisha Yaquob Alsobhi

EVALUATION BY USING THE INFORMATION SYSTEM SUCCESS MODEL (R107)

Hans-Peter Steinbacher

09:00-11:00 Session FSRP 14.2

New Organisational Forms // The role of information in the information society

(Room: Madrid C)

Chair: Tommaso Federici

A CASE STUDY OF A LARGE EUROPEAN FOOD RETAILER (F047)

Marius Janson

AN INVESTIGATION OF THE CONTEXTUAL FACTORS AFFECTING THE IMPLEMENTATION OF QUALITY MANAGEMENT IN IT DEPARTMENTS IN SAUDI ARABIA (S013)

Khalid I. AlShitri and Abdulmohsen Abanumy

ISSUES ASSOCIATED WITH CITIZENS IN DEVELOPING COUNTRIES TRUSTING THE SECURITY OF ON-LINE SERVICES (S102)

Ahmad Alenezji and Saad Amin

WHO ARE WE? IDENTIFYING AND DEFINING THE INFORMATION SYSTEMS (IS) DISCIPLINE BY A SET OF PRINCIPLES (S167)

Deborah Bunker

SUPPORTIVE ICT TOOLS IN AID OF INTERACTIVE POLICY-MAKING (R030)

Dóra Óri

REVOLUTIONS 20TH AND 21ST CENTURIES: ARTIFACT, IMPLEMENTATION, PROCESS (R073)

W. Brett McKenzie

11:00-11:30 Coffee Break

11:30-13:10 Session FSP 14.3

Enterprise Resource Planning // Enterprise Application Integration

(Room: Madrid D)

Chair: Marios Mantakas

THE SPECIFICITY OF SOFTWARE FOR DISTRIBUTED ORGANIZATIONS – THE PROPOSAL OF AN ENTERPRISE MODEL (F129)

Jędrzej Wiczorkowski and Przemysław Polak

VALUE ENCOUNTERS IN PLATFORM AS A SERVICE: INFORMING THE STUDY OF VALUE COCREATION (F153)

Andreas Nilsson and Johan Magnusson

FACTORS OF ENTERPRISE RESOURCE PLANNING (ERP) SYSTEMS IMPLEMENTATION IN A LIBYAN OIL COMPANY (S074)

Almahdi M. S. Ibrahim

THE ASPECTS WEIGHTINESS AND INVASIVENESS IN CONTEXT OF INTEGRATION (S037)

Fred Stefan, Martin Pero and Stefan Kühne

11:30-13:00 Session FP 14.4

IS Learning and Teaching

(Room: Madrid C)

Chair: Hans-Peter Steinbacher

INTEREST AREA ANALYSIS OF PERSON AND GROUP USING LIBRARY'S CIRCULATION RECORDS (F032)

Toshiro Minami

ACTIVITY ANALYSIS OF FACTORS INFLUENCING SECONDARY SCHOOL TEACHERS' ADOPTION AND INTEGRATION OF ICTS INTO TEACHING (F148)

Topoyame Susan Maselesele and Raymond M. Kekwaletswe

SOCIAL PRESENCE AND CONTEXT AWARENESS IN A SOCIAL MEDIA LEARNING ENVIRONMENT (F152)

Mashitishi Benson Phurutsi, Dumisani Nkosinathi Tsela and Raymond Mompoloki Kekwaletswe

13:00-14:30 Lunch Break

**14:30-15:30 Doctoral Session
(Room: Madrid C)**

Chair: Miguel Baptista Nunes

**THE IMPACT OF ORGANISATIONAL SUBCULTURES
ON THE ENTERPRISE ARCHITECTURE PROCESS (D017)**
Hella Niemietz
**NO MORE SURPRISES: TOWARDS MANAGING
OPERATIONAL RISKS IN INFORMATION SYSTEMS (D163)**
Vladimir Maluga

**13:15 Best Paper Awards Ceremony and Closing Session
(Room: Madrid D)**

Profs. Miguel Baptista Nunes and Pedro Isaías

15:30 Conference Tour and Dinner

Friday 15th March 2013

08:30-13:30 Welcome Desk

**09:10-11:00 Session FSP 15.1
Design and Development Methodologies and Frameworks
// Knowledge Management
(Room: Madrid D)**

Chair: Miguel Baptista Nunes

**BPM, OPEN SOURCE AND SOA -- MISSION IMPOSSIBLE?
(F083)**
Martin Schöpple, Philipp Brune and Heiko Gewald
**GUI GENERATION BASED ON USER INTERFACE
GUIDELINES (S063)**
*Kazuya Sugiuchi, Junko Shirogane, Hajime Iwata and Yoshiaki
Fukazawa*
**APPLYING LESSONS LEARNED AS AN IMPROVED
METHODOLOGY FOR SOFTWARE PROJECT
MANAGEMENT (S100)**
*Anderson de Souza Gôes, Marco Hisatomi, Bruno Omena Mesquita
and Rodolfo Miranda de Barros*
**CONTRIBUTION OF KNOWLEDGE MANAGEMENT
SYSTEMS TO TRANSACTIVE MEMORY SYSTEMS
DEVELOPMENT (S106)**
Pascale Nassar Hatem
**COMMUNICATION MODEL FOR IMPROVING
KNOWLEDGE CAPTURE IN COTS-BASED SYSTEMS (S145)**
Anat Segal-Raviv, Meira Levy and Irit Hader

11:00-11:30 Coffee Break

**11:30-13:15 Session FSRP 15.2
Information Management // IS Management
(Room: Madrid D)**

Chair: Deborah Bunker

**ROLE OF WEB PERSONALIZATION IN CONSUMER
TECHNOLOGY ACCEPTANCE (F157)**
K. Vinodh and Saji K Mathew
**HOW BIG DATA TRANSFORMS THE IT DEPARTMENT
TO A STRATEGIC WEAPON (S067)**
*Michael Möhring, Rainer Schmidt, Nadja Wolfrum, Marina
Kammerer, Stefan Maier and Sven Höritz*
**SUPPORT FOR NOVICE SPECIALISTS IN REMOTE
CONSULTATION (S086)**
*Hiroshi Yajima, Kota Shimura, Manabu Kurosawa, Manabu
Kurosawa and Jyun Sawamoto*
**JOB SATISFACTION AMONG IT PROFESSIONALS
IN THE PUBLIC SECTOR IN SAUDI ARABIA (S144)**
Khalid I. Alshetri and Abdulmohsen Abanumy
**USING THE FLOW MODEL TO INCREASE IT STAFF
PRODUCTIVITY (R104)**
Derek Smith