IDEAS 2017 Revised Final Program – post meeting

Session: Sign -up and social program

The sign-in for the meeting will be on site in 2Q48 from 8.30am on-wards each day. 2Q48 which is in Q Block {level 2) of UWE Frenchay campus. All event will be in 2Q48/2Q49.

UWE campus maps can be found at www.uwe.ac.uk and IDEAS17 static page.

Breakfasts for those staying in the Student residency will be served from 8.00am on 12th, 13th & 14th in 2Q48 along with tea & coffees for all delegates.

All Ideas2017 sessions will be in the large lecture room 2Q49. All coffee breaks will be in 2Q48. Reception and lunches will probably be in R Block cafe area, and will be posted in the registration area.

Departure by coach for dinner on the 13th July will be outside Q Block at 5.30pm. The coach will drop the participants back after a harbour boat trip (6-7pm) and dinner (7.30-9.30pm) by about 10pm.

Conference will conclude by lunchtime on 14th and delegates will depart with a grab bag lunch from 2Q48.

Date Time:	2017-07-12 From 08:00 To 17:00

Session: Welcome

Welcome by Professor Paul Olomolaiye
Pro Vice Chancellor & Executive Dean
Faculty of Environment and Technology (FET)

Date Time:	2017-07-12 From 09:00 To 09:15
Location:	2Q49
Chair:	Richard Mcclatchey

Session: Keynote 1

Keynote talk: Omer Rana
Professor of Performance Engineering
School of Computer Science and Informatics, Cardiff University

Title: Edge Clouds: Architectures and Deployment Models

Date Time:	2017-07-12 From 09:15 To 10:15
Location:	2Q49
Chair:	Richard Mcclatchey

-- **Edge Clouds: Architectures and Deployment Models(Invited Keynote Talk)**
   Omer Rana

Morning break 1

Date Time:	2017-07-12 From 10:15 To 10:45

Session: Distributed and Parallel Databases

Date Time:	2017-07-12 From 10:45 To 12:15
Location:	2Q49
Chair:	Jun Hong

-- **Exploring Deletion Strategies for the BoND-Tree in Multidimensional Non-ordered Discrete Data Spaces(Full Paper)**
Ramblin Cherniak, Qiang Zhu, Yarong Gu, Sakti Pramanik
-- **Quantifying Eventual Consistency For Aggregate Queries(Full Paper)**
Neil Burke, Frank Dehne, Andrew Rau-chaplin, David Edward Robillard

Session: Lunch 1

Date Time:	2017-07-12 From 12:15 To 13:30

Session: Smart Cities and Urban Data Analytics

Date Time:	2017-07-12 From 13:30 To 15:00
Location:	2Q49
Chair:	Zaheer Khan

-- **Using a Model-driven Approach in Building a Provenance Framework for Tracking Policy-making Processes in Smart Cities(Full Paper)**speaker info
Barkha Javed, Zaheer Khan, Richard Mcclatchey
-- **Rapid automatic vehicle manufacturer recognition using Random forest(Full Paper)**
Jan Sedlák, Luboš Popelínský
-- **The SusCity Big Data Warehousing Approach for Smart Cities(Full Paper)**
Carlos Costa, Maribel Yasmina Santos

Afternoon Break 1

Date Time:	2017-07-12 From 15:00 To 15:30

Session: Database Applications

Date Time:	2017-07-12 From 15:30 To 17:00
Location:	2Q49
Chair:	Bipin C. Desai

-- **Defining Similarity Spaces for Large-Scale Image Retrieval Through Scientific Workflows(Full Paper)**
Luis Fernando Milano Oliveira, Daniel Dos Santos Kaster
-- **RTA: A Framework for the Integration of Local and Relational Open Data(Full Paper)**
Yusuke Kosaka, Shu Murakami, Thomas Laurent, Kento Goto, Motomichi Toyama
-- **Efficient Evaluation of Shortest Average Distance Query on Heterogeneous Neighboring Objects in Road Networks(Full Paper)**
Yuan-ko Huang, Chun Hsing Su, Chiang Lee, Chu Hung Ho

Reception

Date Time:	2017-07-12 From 17:30 To 19:00

Session: Keynote 2
Keynote talk: Jiawei Han
Abel Bliss Professor, Department of Computer Science, University of Illinois at Urbana-Champaign

Title: Mining Structures from Massive Text Data: A Data-Driven Approach

Date Time:	2017-07-13 From 09:00 To 10:00
Location:	2Q49
Chair:	Bipin C. Desai

-- **Mining Structures from Massive Text Data: A Data-Driven Approach(Invited Keynote Talk)**
  Jaiwei Han

Morning break 2

Date Time:	2017-07-13 From 10:00 To 10:30

Session: Big Data and Applications

Date Time:	2017-07-13 From 10:30 To 12:00
Location:	2Q49
Chair:	Kamran Munir

-- **DWAHP: Workload Aware Hybrid Partitioning and Distribution of RDF Data(Full Paper)**
  Trupti Padiya, Minal Bhise

-- **Evaluating SQL-on-Hadoop for Big Data Warehousing on Not-So-Good Hardware(Full Paper)**
  Maribel Yasmina Santos, Carlos Costa, João Galvão, Carina Andrade, Bruno Augusto Martinho, Francisca Vale Lima, Eduarda Costa

-- **BDgen: A Universal Big Data Generator(Full Paper)**
  Tomas Faltin, Michal Hanzeli, Vojtech Sipek, Jan Skvaril, Dusan Varis, Irena Holubova (mlynkova)

Lunch 2

Date Time:	2017-07-13 From 12:00 To 13:30

Session: Privacy and Security

Date Time:	2017-07-13 From 13:30 To 15:00
Location:	2Q49
Chair:	Richard Mcclatchey

-- **IoT: Imminent ownership threat(Full Paper)**
  Bipin C. Desai

-- **A Differentially Private Approach for Querying RDF Data of Social Networks(Full Paper)**
  Roney Reis Castro E Silva, Bruno Carvalho Leal, Felipe Timbo Brito, Vania Maria Ponte Vidal, Javam Machado

-- **Secure Range Query Processing over Untrustworthy Cloud Services(Full Paper)**
  Theodoros Tzouramanis

Session: Afternoon Break 3

Date Time:	2017-07-13 From 15:00 To 15:30

Session: Data Mining, OLAP, and Knowledge Discovery
Parallel Session

Date Time:	2017-07-13 From 15:30 To 17:00
Location:	2Q49
Chair:	Yoshiharu Ishikawa

-- **WFinger: a joint-decoder for very short Tardos fingerprinting codes(Full Paper)**
  Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari

-- **Computing a Deterministic Semantics for P2P Deductive Databases(Full Paper)**
  Luciano Caroprese, Ester Zumpano

-- **Extraction of Frequent Patterns Based on Users' Interests from Semantic Trajectories with Photographs(Full Paper)**
  Yoshiaki Takimoto, Kento Sugiura, Yoshiharu Ishikawa

Social event, DInner

Date Time:	2017-07-13 From 17:00 To 21:00

Session: Benchmarking and Performance

Date Time:	2017-07-14 From 09:00 To 10:35
Location:	2Q49
Chair:	Motomichi Toyama

-- **Effective Big Data Visualization(Short Paper)**
Murali Mani, Si Fei

-- **Separation of Duties for Multiple Relations in Cloud Databases as an Optimization Problem(Full Paper)**
Ferdinand Bollwein, Lena Wiese

-- **Improving the Querying Efficiency of the PLWAH Bitmap Algorithm(Full Paper)**
Benjamin Taufen, Jason Sawin, David Chiu

Morning break 3

Date Time:	2017-07-14 From 10:35 To 11:05

Session: Data Mining and Information Extraction

Date Time:	2017-07-14 From 11:05 To 13:00
Location:	2Q49
Chair:	Elio Masciari

-- **DiPCoDing: A Differentially Private Approach for Correlated Data with Clustering(Short Paper)**
Andre Luis Costa Mendonca, Felipe Timbo Brito, Leonardo Silva Linhares, Javam Machado

-- **Comparison of Dynamic Itemset Mining Algorithms for Multiple Items Supposrt Thresholds(Short Paper)**
Belgin Ergenc Bostanoglu, Nourhan Nagee Abuzayed

-- **On the Implementation of an Algebra of Lightweight Ontologies(Full Paper)**
Rômulo Carvalho Magalhães, Marco Antonio Casanova, Bernardo Pereira Nunes, Giseli Rabello Lopes

-- **A Network-based Approach to Capture Provenance of a Policy-making Process(Short Paper)**speaker info
Barkha Javed, Zaheer Khan, Richard Mcclatchey

-- **LoRaWAN Bristol(Short Paper)**
Steve Battle, Benedict Gaster

Lunch 3

Date Time:	2017-07-14 From 13:00 To 14:00

Session: Au revoir/good-bye and Virtual Presentations
All no shows, for personal reasons or whatever, were required to have a presentation(voice over or video) and contact in the slide which they are supposed to upload; if uploaded by the deadline they are included in the proceedings. If not contact them, in the remote chance that you are interested in their papers.
At your convenience

Date Time:	2017-07-14 From 14:00 To 14:00
Location:	On your desktop/laptop/notebook

-- **Analysis using spectral clustering to predict Internet gaming behaviours(Full Paper)**
Maya Samaha Rupert, Nazir S. Hawi

-- **Managing Data and Artifacts between Software Engineers and Artists: an ISSv2 Case Study(Full Paper)**
Serguei A. Mokhov, Miao Song, Amandeep Kaur, Mehak Talwar, Keerthana Gudavalli, Sudhir P. Mudur

-- **A New Temporal Abstraction for Health Diagnosis Prediction using Deep Recurrent Networks(Full Paper)**
Alireza Manashty, Janet Light

-- **Quality Awareness over Graph Pattern Queries(Full Paper)**
Philippe Rigaux, Virginie Thion

-- **Lightweight Encryption Algorithm Based on Modified XTEA for Low-Resource Embedded Devices(Full Paper)**
Sonia Kotel, Medien ZEGHID, Mohsen MACHHOUT, Rached TOURKI

-- **DyadChurn: Customer Churn Prediction using Strong Social Ties(Full Paper)**
Marwa Nabil Abd-allah, Samhaa Rafea ElBeltagy, Akram I Salah

-- **Towards Reliable Data Analyses for Smart Cities(Short Paper)**
Tiago Brasileiro Araújo, Cinzia Cappiello, Nadia Puchalski Kozievitch, Demetrio Gomes Mestre, Carlos Eduardo Santos Pires, Monica Vitali

-- **Quantification of time in Digital Libraries: Temporal Zipf's law(Full Paper)**
Stefano Giovanni Rizzo, Danilo Montesi

Date Time:	2099-12-31 From 22:55 To 22:55
Location:	In never-never land

-- **Social Media Mining: Prediction of Box Office Revenue(Full Paper)**
Deepankar Choudhery, Carson K. Leung

-- **Cloud Service Composition Modeling Using Bigraphical Reactive Systems(Full Paper)**
Oussama Kamel, Allaoua Chaoui, Mohamed Gharzouli

-- **Constrained Hierarchical Clustering for News Events(Full Paper)**
Ronaldo Florence, Bruno Nogueira, Ricardo Marcacini

-- **Building Relation Extraction Templates via Unsupervised Learning(Full Paper)**
Ayman El-kilany, Neamat El Tazi, Ehab Ezzat

-- **Efficient Density-Based Blocking for Record Matching(Full Paper)**
Chenxiao Dou, ruoyu wang, Daniel Sun, Muhammad Atif