

CODASSCA 2018

Workshop *on* Collaborative Technologies & Data Science *in* Smart City Applications

September 12-15, 2018
Yerevan, Armenia

Workshop Program



September 12, 2018 (Day 1)

10:00-
12:45

Session on Virtual Museums

10:00-
10:15

Nelson Baloian

Welcome words

10:15-
10:45

Samvel Karapetyan

Armenian Monuments outside modern Armenia

10:45-
11:05

Daniel Biella

Exploring Cooperation within a Virtual Khatchkar Museum

11:05-
11:30

Goreun Berberian, Arpine Haroyan

A Khatchkar VW and its metadata

11:30-
11:45

Coffee-break

11:45-
12:05

Gustavo Zurita

Collaborative Hyper Storytelling to Support learning of Cultural Heritage

12:05-
12:25

Miqayel Badalyan

Urtu era monuments and its prospects for digitization

12:25-
12:45

*Meroujan Karapetyan,
Hovhannes Kizogyan*

The Digilib virtual Library

17:30-
20:00

Registration and Welcome Cocktail

September 13, 2018 (Day 2)

09:00-
09:30

Registration

09:30-
10:00

Opening Ceremony

10:00-
11:00

Session 1

10:00-
10:30

*Hrachya Astsatryan, Wahi Narsisian,
Vladimir Sahakyan and Yuri
Shoukourian*

Collaborative Cloud Computing in Armenia: Challenges and Opportunities

10:30-
11:00

Invited talk:

Alen Amirkhanian

Public Participatory GIS in Urban Contexts

11:00-
11:30

Coffee-break

11:30-
13:00

Session 2

11:30-
12:00

*Ashot Harutyunyan, Arnak
Poghosyan, Nicholas Kushmerick and
Naira Grigoryan*

Learning Baseline Models of Log Sources

12:00-
12:30

*Mariam Haroutunian, Evgueni
Haroutunian, Parandzem Hakobyan
and Hovsep Mikayelyan*

Logarithmically Asymptotically Optimal Testing of Statistical Hypotheses in Steganography Applications

12:30-13:00	<i>Aram Jivanyan and Gurchen Khachatryan</i>	Efficient Oblivious Transfer Protocols based on White-Box Cryptography
13:00-14:00	Lunch	
14:30-16:00	Session 3	
14:30-15:00	<i>Wolfram Luther and Ekaterina Auer</i>	Towards Human-Centered Paradigms in Verification and Validation Assessment
15:00-15:30	<i>Yanling Chen, O. Ozan Koyluoglu and Han Vinck</i>	Secrecy in Communication Networks: Being Cooperative or Competitive?
15:30-16:00	Invited talk: <i>Ani Melkonyan</i>	Technological applications in logistics, mobility and buildings as key drivers for Smart City Concepts: Best case practices worldwide
16:00-16:30	Coffee-break	
16:30-18:00	Session 4	
16:30-17:00	<i>Guillermo Tobar, Patricio Galdames, Claudio O. Gutiérrez-Soto and Pedro Rodriguez-Moreno</i>	A Batching Location Cloaking Algorithm for Location Privacy Protection
17:00-17:30	<i>Gregor Schiele</i>	Reconfigurable Hardware and Adaptive Software for the Internet of Things: How Runtime Flexibility Changes Embedded Systems
17:30-18:00	<i>Daniel Moreno, Sergio Ochoa and Nelson Baloian</i>	A Survey of Resource Positioning Strategies
19:00-23:00	Workshop Dinner	
September 14, 2018 (Day 3)		
10:00-11:00	Session 5	
10:00-10:30	<i>Nelson Baloian, Jonathan Frez, Jose A. Pino, Gustavo Zurita and Artur Dolmajian</i>	Preliminary Assessment of Public Transportation Routes using free available Cloud Services and Belief Routes
10:30-11:00	<i>Rubina Danilova</i>	Socially Intelligent Robots in Smart Cities
11:00-11:30	Coffee-break	
11:30-13:00	Session 6	
11:30-12:00	<i>Nelson Baloian, Jose A. Pino, Sergio Peñafiel, Jorge Quiroz, Horacio Sanson and Douglas Teoh</i>	Data Science in e-Health: 2 Examples from Japan

12:00-12:30	<i>Takeshi Kamita, Tatsuya Ito, Atsuko Matsumoto, Tsunetsugu Munakata and Tomoo Inoue</i>	Chat Bot Improves the Motivation Toward Using a Self-Guided Mental Healthcare Course
12:30-13:00	<i>Laura Pilz</i>	Scientific Paper Recommendations - More Than Just a Single Task

13:00-14:00	Lunch	
14:15-14:30	Group Photo	
14:30-16:00	Session 7	
14:30-15:00	<i>Benjamin Weyers</i>	Toward Reliable Visual Analytics
15:00-15:30	<i>Mariam Haroutunian, Karen Mkhitaryan and Josiane Mothe</i>	f-Divergence Measures for Evaluation in Community Detection
15:30-16:00	<i>Ashot Harutyunyan, Yanling Chen and A.J. Han Vinck</i>	Thoughts on Information-Theoretic aspects of several Problems in Data Science
16:00-16:30	Coffee-break	
16:30-18:00	Session 8	
16:30-17:00	<i>Tomoo Inoue and Zixuan Guo</i>	A Conversational Agent that Uses Turn-taking Rules for Supporting a Non-native Speaker
17:00-17:30	<i>Han Vinck</i>	Smart Networking and Memory Systems
17:30-18:00	<i>Gurgen Khachatrian and Sergey Abrahamyan</i>	Design and Security Analysis of Novel White Box Encryption
19:30-23:00	Social Program (TBA)	
September 15, 2015 (Day 4)		
Social Event: trip to		
<u>Noravank,</u>		
9:00-19:00	<u>Carahunge (Armenian Stonehenge)</u>	
	and <u>Tatev</u>	