29th International Conference on

Software Engineering

and Data Engineering

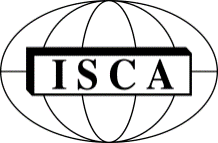
(SEDE-2020)

# PROGRAM

October 19, 2020

Virtual Conference Online

### Sponsored by



International Society for

Computers and Their Applications

P. O. Box 1124

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Phone: (507) 458-4517; E-mail: isca@isca-hq.org; website: www.isca-hq.org **29th International Conference on**

Software Engineering and Data Engineering

(SEDE-2020)

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#### Monday, October 19, 2020\*

#### \*

**8:55 a.m. – 9:00 a.m. WELCOME By SEDE Organizers**

**Fred Harris, Alex Redei, and Rui Wu, SEDE Chairs**

**9:00 a.m. – 10:00 a.m. KEYNOTE SPEAKER Colorado**

**Dr. Dr. Haroon Stephen**

**Department of Civil and Environmental Engineering and Construction,**

**University of Nevada, Las Vegas, USA**

**Challenges and Opportunities in Remote and In-situ Sensing:**

**A Data and Software Perspective**

**Session Chair: Dr. Frederick C. Harris, Jr., University of Nevada, Reno, USA**

**10:00 a.m. – 10:05 a.m. 5 Minute Break**

**SESSION 1:**

**Software Engineering I**

Monday, October 19, 2020, 10:05 a.m. - 11:05 p.m.

Session Chair: Frederick C. Harris, Jr. (University of Nevada, Reno, USA)

1. **Comparison of University Course Search Interface** **Cloud Applications Adoption: User Study From Industry and Academia**

Jalal Kiswani, Sergiu Dascalu and Frederick Harris

1. **Controls and Novelty on Digital Platforms: Two Case Studies**

Onkar Malgonde and Alan Hevner

1. **Cognitive Informatics in Emergency Disaster Management Systems**

Ajay Bandi and Aziz Fellah

**11:05 a.m. – 11:10 a.m. 5 Minute Break**

**Session 2:**

**DATA ENGINEERING I**

Monday, October 19, 2020, 11:10 a.m. - 12:30 p.m.

Session Chair: Dr. Alex Redei (Central Michigan University, USA)

1. **Detection of unknown galaxy types in large databases of galaxy image**

Venkata Siva Kumar Margapuri, Lior Shamir and Basant Thapa

1. **Preprocessing Method Comparisons For VGG16 Fast-RCNN Pistol Detection**

Jiahao Li, Charles Ablan, Rui Wu, Shanyue Guan and Jason Yao

1. **An O(nlogn/logw) Time Algorithm for Ridesharing**

Yijie Han and Chen Sun

1. **A Blueprint for a Trustworthy Health Data Platform Encompassing IoT and Blockchain Technologies**

Dennis Przytarski, Christoph Stach, Clémentine Gritti and Bernhard Mitschang

**12:30 p.m. – 12:45 p.m. 15 Minute Break**

**SESSION 3:**

**SOFTWARE ENGINEERING II**

Monday, October 19, 2020, 12:45 p.m. – 1:45 p.m.

Session Chair: Dr. Rui Wu (East Carolina University, USA)

1. **Techniques for Using Virtual Reality Simulations for Self-Defense Skill Development**

John Apo and Alexander Redei

1. **Identifying Salient Benefits of Platooning**

Reem Alshiddi and Dr. Henry Hexmoor

1. **Chaotic Creations**

Christopher Lewis, Natalie Arnold, Leah Kramer, Terra Williams, Sergiu Dascalu and Fred Harris

**1:45 p.m. – 1:50 p.m. 5 Minute Break**

**DATA ENGINEERING II**

**SESSION 4:**

Monday, October 19, 2020, 1:50 p.m. - 2:50 p.m.

Session Chair: Venkatasivakumar Margapuri (Kansas State University, USA)

1. **A Project Tracking Tool for Scrum Projects with Machine Learning Support for Cost Estimation**

Kasi Periyasamy and Joshua Chianelli

1. **Ameliorating Accuracy of a Map Navigation When Dealing with Different Altitude Traffics that Share Exact Geolocation**

Thitivatr Patanasakpinyo

1. **Multi-Objective Regression Test Selection**

Yizhen Chen and Mei-Hwa Chen

**2:50 p.m. – 2:55 p.m. Best Paper Award Announcement**