

Wednesday, Sept. 25th 2019

14:00-14:30 - Opening Ceremony

14:30-15:30 - Keynote 1

Walking on AI/ML for networking

Oscar Mauricio Caicedo Rendon, University of Cauca, Colombia

15:30-16:00 - Coffee break

16:00-17:30 - Technical Session 1

SOFTWARE DEFINED NETWORKS

Chair: Diogo Mattos, UFF

Latency-Aware Placement of Software Defined Network Controllers

Raphael Abreu, Célio Albuquerque, Débora Muchaluat-Saade (UFF)

A Dynamic Load Balancing Algorithm for Data Plane Traffic

Lucas Silva (PUC-Minas), Carlos Storck (CEFET-MG), Fatima Duarte-Figueiredo (PUC Minas)

Survey and Comparison of SDN Controllers for Teleprotection and Control Power Systems

Silvio Quincozes, Arthur Soares, Wilker Oliveira, Eduardo B. Cordeiro, Robson A. Lima, Débora Muchaluat-Saade, Vinicius Ferreira, Yona Lopes, Juan Lucas Vieira, Luana M. Uchôa, Helio N. C. Neto, Leonardo F. Soares, Natalia C. Fernandes, Diego Passos, Célio Albuquerque (UFF)

17:30-19:30 - Welcome reception at NAB balcony, UFF

Thursday, Sept. 26th 2019

14:00-14:30 - Technical Session 2

ARTIFICIAL INTELLIGENCE

Chair: Artur Ziviani, LNCC

An interactive tool for intelligent analysis of geo-temporal backbone monitoring data

Nilson Luís Damasceno, Antonio A. de A. Rocha (UFF)

DEA: Anomaly Detection in Smart Environments using Artificial Intelligence

Diego Moreira, Humberto Marques, Joaquim Celestino Jr., Rafael L. Gomes (UECE), Aldri Santos, Michele Nogueira (UFPR)

14:30-15:30 - Keynote 2

Fog Computing and Industrial Internet of Things for Industry 4.0

Nelson Fonseca, UNICAMP

15:30-16:00 - Coffee and Poster Session

Chair: Diego Passos, UFF

Janus - An MPEG-DASH Video Streaming Load Balancer based on Software-Defined Networking

Edenilson Jônatas dos Passos, Adriano Fiorese (UDESC)

Performance Evaluation of the ONOS Controller Under an DDoS Attack

Sebastián Gómez, Juan Felipe Botero (Universidad de Antioquia – Colombia)

16:00-17:30 - Technical Session 3

SECURITY AND RELIABILITY

Chair: Dianne Medeiros, UFF

A Counselors-Based Intrusion Detection Architecture

Silvio Quincozes, Raul Ceretta Nunes (UFSM), Carlos Raniery Paula dos Santos (UFSM), Célio Albuquerque, Diego Passos (UFF), Daniel Mossé (University of Pittsburgh, USA)

An Analysis of the Fees and Mining Time Correlation in Ethereum

José Eduardo de Azevedo Sousa, Heder Bernardino, Alex Borges Vieira (UFJF), Glauber Dias Gonçalves (UFMG), Vinicius Oliveira, Julia Valadares (UFJF)

VNF-Consensus: A Virtual Network Function for Maintaining a Consistent Distributed SDN Control Plane

Giovanni Venâncio (UFPR), Rogério Turchetti (UFSM), Edson Tavares de Camargo (UTFPR), Elias Duarte Jr. (UFPR)

19:30 - Conference Banquet at Mocellin Churrascaria

Av. Quintino Bocaiúva, 151 - São Francisco, Niterói

Friday, Sept. 27th 2019

09:30-10:00 - Reception Coffee

10:00-12:00 - Technical Session 4

WIRELESS NETWORKS

Chair: Débora Muchaluat-Saade, UFF

Multipath Selection Mechanism for Wireless Video-Surveillance Systems

Fabiano Bhering, Célio Albuquerque, Diego Passos, Luiz Satoru Ochi (UFF)

A Methodology for Classification and Evaluation of IoT Brokers

Eddas Bertrand-Martinez, Phelipe Feio, Vagner Nascimento, Billy Pinheiro, Antônio Abelém (UFPA)

A Cache Prefetch Policy based on Users Temporal-and-Social Behavior for Content Management in Wireless Access Networks

Cleomar Oliveira, Igor Moraes, Célio Albuquerque (UFF)

Diagnosing Failures in the Mobile Network Operation using Ensemble of Classifiers

Fábio dos Santos, Carlos Salvador Gomide Richa, Dianne Medeiros, Diogo Mattos, Natalia Fernandes (UFF)

12:00 - Closing Ceremony