

2024 20th International Conference on the Design of Reliable Communication Networks (DRCN 2024)

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6-9 May 2024**



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Monday, May 6 2024

9:30AM - 10:30AM

Keynote 1

Using Machine Learning in Network Security: A New Investigation of Adversarial Evasion Attacks...N/A

Dr. Ashraf Matrawy

10:30AM - 10:45AM

COFFEE BREAK

10:45AM - 12:30PM

Workshop 1

Toward a Secure Healthcare Ecosystem: A Convergence of Edge Analytics, Blockchain, and Federated Learning...185

Elarbi Badidi (UAE University, United Arab Emirates); Hanane Lamaazi (CIT, UAE University, United Arab Emirates); Omar El Harrouss (UAEU, United Arab Emirates)

Satisfying Least Privilege through Database Decomposition...179

Fabrizio Baiardi (Università di Pisa, Italy); Cosimo Comella (Garante Protezione Dati Personali, Italy); Vincenzo Sammartino (Università di Pisa & UNIPI, Italy)

Use case of ML-Algorithm to effectively detect malignant breast tumors without compromising medical data privacy...172

Antonios Ntib (Technische Universität Braunschweig & AEGIS IT RESEARCH, Germany); Panagiotis Katrakazas (Zelus PC & National Technical University of Athens, Greece); Evangelia Panourgias (National and Kapodistrian University of Athens, Greece); Vassilis Prevelakis (Technische Universität Braunschweig, Greece)

12:30PM - 1:30PM

LUNCH BREAK

1:30PM - 2:45PM

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Ashraf A Tahat (Princess Sumaya University for Technology, Jordan); Farah Wahhab (Mobile Access Network Engineering, Orange Jordan Telecom Group, Jordan); Talal A. Edwan (The University of Jordan, Jordan)

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Ali Bostani, Amir Baniamerian, Ashraf A Zaher, Mohammad Alshammari

6:00PM - 8:00PM

Welcome Reception

 *faculty lounge, 4th floor*

Tuesday, May 7 2024

9:15AM - 9:30AM

Opening remarks

Dean Mourad Debbabi

9:30AM - 10:30AM

Chair: Pin Han Ho

Keynote 2

A Framework for Robustness-Resilience of Network...N/A
Prof. dr. Ir. Piet Van Mieghem

10:30AM - 10:45AM

COFFEE BREAK

10:45AM - 12:30PM

Session chair: Dimitrios Manias

SDN and NFV

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Sara Taghavi Motlagh, Amin Ibrahim and Shahram Shah Heydari (University of Ontario Institute of Technology, Canada); Khalil El-Khatib (Ontario Tech University, Canada)

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Mostafa Abbasmollaei; Tarek Ould-Bachir; Yvon Savaria
Normal and Resilient Mode FPGA-based Access Gateway Function Through P4-generated RTL
Mostafa Abbasmollaei; Tarek Ould-Bachir; Yvon Savaria

12:30PM - 1:30PM

LUNCH BREAK

1:30PM - 2:30PM

Chair: Abdelhak Bentaleb

Keynote 3

Understanding the Role of Peer-to-Peer Networks in Blockchain Technology...N/A
Dr. Jeremy Clark

2:30PM - 3:30PM

Session chair: Teresa Gomes

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Mahzabeen Emu; Salimur Choudhury; Kai Salomaa

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Fenghua Wang; Jinyi Zou; Robert E. Kooij

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Dimitrios M Manias; Joe Naoum-Sawaya; Abbas Javadtalab; Abdallah Shami

3:30PM - 3:45PM

COFFEE BREAK

3:45PM - 5:00PM

Tutorial 1

How to design a reliable network - the 3GPP design process...N/A

Dr. Alf Zugenmaier

5:00PM - 6:00PM

Security and AI - 1

Session chair: Ashraf Matrawy

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Wednesday, May 8, 2024

9:30AM - 10:30AM

Chair: Chadi Assi

Keynote 4

The Disruptive Side of 6G: NTN (Non-Terrestrial Networks)...N/A

Dr. Halim Yanikomeroglu

10:30AM - 10:45AM

COFFEE BREAK

10:45AM - 11:45AM

Chair: Khalil El Khatib

Network Survivability and Reliability 2

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12:45PM - 2:00PM

LUNCH BREAK

2:00PM - 3:30PM

Tutorial 2

Session chair: Teresa Gomes

Unveiling the Potential of the PiOT Simulation System...N/A
Dr. Brunilde Sansò

3:30PM - 3:45PM

COFFEE BREAK

3:45PM - 5:00PM

Cellular Technologies

Session Chair: Chadi Assi

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Banquet

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9:30AM - 10:30AM

Chair: Jun Yan

Keynote 5

Navigating Future Horizons: Exploring the potential of Quantum Computing and Quantum Machine Learning in Communication Networks...N/A

Dr. Soumaya Cherkaoui

10:30AM - 10:45AM

COFFEE BREAK

10:45AM - 11:45AM

Session Chair: Nathalie Wehbe

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*Session Chair: Sandra
Cespedes*

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12:45PM - 2:00PM

LUNCH BREAK

2:00PM - 3:30PM

Tutorial 3

5G security: an overview...N/A

Dr Makan Pourzandi

3:30PM - 3:45PM

COFFEE BREAK

3:45PM - 4:45PM

*Session Chair: Mohammad
Sayed*

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Maria Samonaki; Carmen Mas-Machuca

Wrap-UP