

Weizhi Meng
Mauro Conti (Eds.)

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Cyberspace Safety and Security

13th International Symposium, CSS 2021
Virtual Event, November 9–11, 2021
Proceedings



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Preface

This book contains the papers that were selected for presentation and publication at the 13th International Symposium on Cyberspace Safety and Security (CSS 2021), which was organized by the Cyber Security Section of the Technical University of Denmark, Denmark, held during November 9–11, 2021. CSS 2021 was the latest edition in a series of highly successful international events on cyberspace safety and security previously held as CSS 2020 (Hainan, China), CSS 2019 (Guangzhou, China), CSS 2018 (Amalfi, Italy), CSS 2017 (Xi'an, China), CSS 2016 (Granada, Spain), CSS 2015 (New York, USA), CSS 2014 (Paris, France), CSS 2013 (Zhangjiajie, China), CSS 2012 (Melbourne, Australia), CSS 2012 (Milan, Italy), CSS 2009 (Chengdu, China), and CSS 2008 (Sydney, Australia). Due to COVID-19, CSS 2021 was held online.

This year's Program Committee (PC) consisted of 42 members with diverse background and broad research interests. A total of 35 papers were submitted to the conference. Each paper was evaluated on the basis of its significance, novelty, and technical quality. Most papers were reviewed by three or more PC members. Finally, nine full papers were selected for presentation at the conference with an acceptance rate of 25.7%. In addition, five short papers were accepted.

CSS 2021 had six outstanding keynote talks: “Em-Curve25519: Faster and Smaller” presented by Zhe Liu from the Nanjing University of Aeronautics and Astronautics, China, “Achieving Efficient and Privacy-Preserving Dynamic Skyline Query in Online Medical Diagnosis” presented by Rongxing Lu from the University of New Brunswick, Canada, “Artificial Intelligence for Biometric Technologies and Systems” presented by Vincenzo Piuri from the Università degli Studi di Milano, Italy, “The Quest for Industrial Host Security” presented by Nils Ole Tippenhauer from the CISPA Helmholtz Center for Information Security, Germany, “Cyber-Physical-Social Systems: Design, Analytics, Security and Privacy” presented by Laurence T. Yang from Hainan University, China/St. Francis Xavier University, Canada, and “What do I Trust? Securing Critical Infrastructure in Cyber War” presented by Jianying Zhou from the Singapore University of Technology and Design, Singapore. Our deepest gratitude for their excellent presentations.

For the success of CSS 2021, we would like to first thank the authors of all submissions and all the PC members for their great efforts in selecting the papers. We also thank all the external reviewers for assisting the reviewing process. For the conference organization, we would like to thank the CSS Steering Committee chair – Yang Xiang, the general chairs - Nicola Dragoni and Jun Zhang, the publicity chairs - Alessandro Brighente and Wenjuan Li, and the publication chair – Wei-Yang Chiu. Finally, we thank everyone else, speakers and session chairs, for their contribution to the program of CSS 2021.

November 2021

Weizhi Meng
Mauro Conti

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