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11<sup>th</sup> International IEEE Conference  
Dependable Systems, Services and Technologies  
**DESSERT'2020**  
May 14-18, 2020  
**ACCEPTED BY IEEE TO BE ORGANIZED ONLINE**



**IOT, BIG DATA AND AI FOR A SAFE&SECURE WORLD AND INDUSTRY 4.0**

Organizers <http://dessert.ieee.org.ua/dessert-2020/committees/>

IEEE Ukraine Section  
IEEE United Kingdom and Ireland Section  
National Aerospace University KhAI, Kharkiv, Ukraine  
Banking University, Kyiv, Ukraine  
Leeds Beckett University, UK

General Chair: Prof Vyacheslav Kharchenko, National Aerospace University KhAI, Ukraine  
General Co-Chairs: Prof Anzhela Kuznetsova, Banking University, Kyiv, Ukraine  
Prof Mike Hinchey, IEEE United Kingdom and Ireland

### DESSERT-ECHO Co-Chairs

Matteo Merialdo, RHEA Systems, Belgium  
Col. Prof Nikolai Stoianov, Bulgarian Defense Institute, Bulgaria

### Scope

The annual [DESSERT conference](#) began since 2006 and its primary focus has been on methodologies, techniques and tools for dependability, security and safety assessment and assurance of software, hardware and middleware, computer systems and IT-infrastructure. DESSERT'2020 is responding to current major challenges relating to state-of-the-art information and communication technologies and paradigms such as cloud and edge computing, Internet of things, Big Data, AI and ML, software defined applications, cyber physical systems, etc. Relevant areas of interest encompasses regulations, analysis, modeling, development, verification, operation and maintenance of computer systems and components, networks and infrastructures for safety-, secure, mission- and business-critical applications.

[DESSERT'2020](#) is addressing the main dependability challenges related to ***the IoT, Big Data and AI for a Safe&Secure World and Industry 4.0***. This time is challenging for all of us and we hope that holding the Conference will help our communities to go through difficult times and continue our research and human cooperation. DESSERT is an unprecedented opportunity to advertise our joint ECHO project to the DESSERT community and vice versa. Potential authors from ECHO community are invited to submit original manuscripts demonstrating recent advances and developments prepared within the ECHO project including, but not limited to:

- Inter-sector and multi-sectoral technology challenges and opportunities in cybersecurity
- The human factor in cybersecurity
- Cybersecurity education and cybersecurity certification schemes
- Cybersecurity competence centres / centers of excellence development
- Technological cybersecurity and resilience roadmaps
- Security in SCADA systems and smart grids
- Cybercrime-threats and counteracting

- Cybersecurity ethical and legal issues, legaltech
- Cybercrime and cybersecurity forensic
- Risk management and assessment frameworks
- Sensitive data anonymization and protection
- Security solutions for industrial applications

### Submission Guidelines

The language of DESSERT'2020 Conference is English. All submissions must comply with the IEEE format guidelines. Formatting instructions and template as well as submission guidelines are provided at the <http://dessert.ieee.org.ua/dessert-2020/for-authors/> Prospective authors are invited to submit a paper of minimum 5 and maximum 7 pages.

Submissions should be made in .pdf or .doc/.docx by using EasyChair Conference Management System <https://easychair.org/conferences/?conf=dessert2020>

### Important Dates

Paper submission: April 9, 2020 (**special ECHO - extra deadline**)

Notification of paper acceptance: April 13, 2020

Final manuscript: April 16, 2020

Registration and payment: April 20, 2020

Program draft publication: May 1, 2020

Conference dates: May 14-17, 2020

### Publication and Indexing

Accepted papers presented at the DESSERT will be published in Conference Proceedings, available in the IEEE Xplore and indexed by Scopus. Selected papers will be collected for a publication in international journals and books indexed by Web of Science and Scopus. A full list will be specified after the Conference.

### Contact Information

All information concerning DESSERT2020 is available at <http://dessert.ieee.org.ua>

For more information you can contact directly Ukrainian ECHO team:

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