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A – Applied Sciences and Engineering**

16th Digital Design In Architecture Symposium

Volume 23 - 16th DDAS (MSTAS) - Special Issue 2022



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16th DDAS (MSTAS) Special Issue

Every year, the Digital Design in Architecture Symposium, where architecture and technology is discussed in different aspects of technology, is increasingly developing and attracting attention as one of the most important activities in this field in Turkey. Especially rapid and effective changes in information technologies increase this interest.

Artificial intelligence, simulation, virtual and augmented reality, human-computer interaction, and robotics, which are among the topics of DDAS (MSTAS) 2022, which we organize sixteenth in Eskisehir, indicate a wide ecosystem where many other disciplines are taking part. We call this wide frame, which is the common denominator of these areas, as “Digital Ecosystems”. Digital ecosystems offer brand-new development and expansion areas for architecture and design with potential for interdisciplinary studies. Ecosystems are the upper systems in which different scaled subsystems can be balanced in transition to create a whole. During a period of brand-new professions in which inter -field transitions increase, the changes in the way of handling architecture, which is one of the most ancient professions in the world, point to this transition. From this point of view, the main theme of the Digital Design in Architecture Symposium was determined as “Digital Ecosystems and Architecture”

In January 2022, 95 expanded summary from 34 different Universities were sent to the call and after the referee assessment, 50 papers were found to be in accordance with the presentation. According to their subjects, the papers, were presented in thirteen sessions, some of which were handled in parallel and were evaluated in an active discussion environment. The symposium also hosted four workshops and enabled the active participation of undergraduate and graduate students.

In this special issue some of the papers presented in MSTAS 2022 will be published.

Special Issue Editors

Mehmet Ali ALTIN & Mehmet İNCEOĞLU



ABOUT

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Haupt RL, Haupt SE. *Practical Genetic Algorithms*. 2nd ed. New York, NY, USA: Wiley, 2004.
Kennedy J, Eberhart R. *Swarm Intelligence*. San Diego, CA, USA: Academic Press, 2001.

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Poore JH, Lin L, Eschbach R, Bauer T. Automated statistical testing for embedded systems. In: Zander J, Schieferdecker I, Mosterman PJ, editors. *Model-Based Testing for Embedded Systems*. Boca Raton, FL, USA: CRC Press, 2012. pp. 111-146.

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Li RTH, Chung SH. Digital boundary controller for single-phase grid-connected CSI. In: *IEEE 2008 Power Electronics Specialists Conference*; 15–19 June 2008; Rhodes, Greece. New York, NY, USA: IEEE. pp. 4562-4568.

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