



Call for Papers

2nd International Workshop on Cloud-to-Things continuum: towards the convergence of IoT, Edge and Cloud Computing - Cloud2Things 2022

<https://cloud2things2022.netsons.org/>

organized in association with

The 22nd IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGrid 2022)

<p>Workshop Co-Chairs</p> <p>Paolo Bellavista University of Bologna, Italy</p> <p>Giuseppe Di Modica University of Bologna, Italy</p> <p>Antonino Galletta University of Messina, Italy</p> <p>Dr. Ioannis Konstantinou University of Thessaly Greece</p>	<p>The Cloud-toThings continuum concept refers to the opportunity of taking advantage of a broad computing context that mixes Cloud, Edge and IoT resources, thus providing a “continuum” of computing services that applications will be able to access in a transparent and uniform fashion. In a Cloud-to-Things landscape, each application benefits from a tailored computing environment, built on top of mixed and heterogeneous resources, that promises to meet the application requirements in terms of both computing power and delay sensitivity. Particularly, applications will need a flexible and dynamic provisioning of computing resources along the Cloud-to-Things path, that is, a provisioning system capable of orchestrating (activating, deactivating, integrating, etc.) computing resources offered by heterogeneous computing infrastructures possibly owned by different providers. If the benefits promised to end-users by this approach are crystal clear, there still is a number of not only technological challenges that need to be faced and solved prior to considering it workable in the practice.</p> <p>This workshop encourages submissions that address opportunities to catch and issues to solve in the Cloud-to-Things landscape, and propose experimental solutions, case studies, deployed systems and best practices in this specific research context.</p>
<p>Inquiries regarding the Workshop should be directed to the email address:</p> <p>cloud2things (at)googlegroups (dot)com</p>	<p>Workshop topics include, but are not limited to:</p> <ul style="list-style-type: none">• Service provisioning and monitoring in the Cloud-to-Things continuum• Resource elasticity across Cloud-to-Things• Cross context/domain service migration• Orchestration of microservices• Blockchain-based resource orchestrator• Distributed Digital Twins• Machine learning techniques for resource orchestration• Cloud-to-Things federations• Data migration in Cloud-to-Things• Data governance in Cloud-to-Things• Quality of Service and SLA in Cloud-to-Things• Autonomic Cloud-to-Things• Scalability of Cloud-to-Things supports and infrastructures• Security policies in Cloud-to-Things
	<p>Important Dates</p> <p>Full Paper Due: January 21st, 2022 Acceptance Notification: February 24th, 2022 Camera Ready Papers Due: March 6th, 2022</p>
	<p>Workshop date: May 16th, 2022</p>
	<p>Paper submission</p> <p>Papers should be written in English. Manuscripts should not exceed 8 pages in the IEEE proceedings style, including all figures, tables and references, and must be submitted using EasyChair (https://easychair.org/conferences/?conf=cloud2things). Papers must present original and unpublished work and should not be currently under review by any other conference or journal. To submit a paper, please follow the instructions on the Workshop web site.</p> <p>The Workshop Proceedings will be part of CCGrid 2020 Proceedings and will submitted for publication to IEEE Xplore (http://ieeexplore.ieee.org)</p> <p>A "Best Paper Award" Certificate will be conferred on the author(s) of a paper presented at the workshop, selected by the Chairs based on scientific significance, originality and outstanding technical quality of the paper, as assessed also by the evaluations of the members of the Program Committee.</p>