



IEEE 7th World Forum on Internet of Things

20-24 June 2021 // New Orleans, Louisiana, USA

Theme: The Impact of Artificial Intelligence on IoT

[AI-IIoT Workshop: The Future of Intelligent Industry] (in conjunction with WF-IoT 2021)

Organizing Committee	Call for Papers
<p>Chairs:</p> <ul style="list-style-type: none"> Sameh Sorour, Queens University, Canada Hina Tabassum, York University, Canada Mohamed Shehata, University of British Columbia, Canada Ahmed Refaey, Manhattan College, USA 	<p>The fusion of Artificial Intelligence (AI) and the Industrial Internet of Things (IIoT) is transforming the Industry and creating a new frontier of connected machines. These technologies, combined with manufacturing and other industrial processes, are driving unprecedented levels of efficiency, productivity, and performance to achieve the ultimate goal of the Intelligent Industry. IIoT applications, empowered with AI, include 1) factory automation for operational efficiency, 2) location tracking for locating tools, parts, and inventory, 3) and predictive maintenance to maximize uptime and increase disaster tolerance.</p> <p>This workshop focuses on emerging topics to allow for a lively exchange of ideas and crossing the gap between Academia and Industry for empowering the Industry.</p> <p>Topics of interest include, but are not limited to:</p> <ul style="list-style-type: none"> Innovative IIoT sensing and machine crowdsourcing applications <ul style="list-style-type: none"> Tools for building and measuring IIoT systems Innovative Connected Machines Novel software architectures for IIoT Edge devices Data management for IIoT applications System-level energy management for IIoT Edge devices Real-time embedded operating systems for IIoT devices Security and privacy in IIoT networks Resource-efficient AI for IIoT Architectures Virtual or Augmented Reality for Industrial Applications AI and Deep Learning in real-time monitoring and control Imaging in IIoT visualization and user experience Camera sensor fusion in IIoT Non-traditional topics that bring new perspectives to IIoT Robust learning using adversarial attacks on IIoT networks Collaborative federated learning-based for IIoT devices Decentralized deep reinforcement learning for IIoT systems Low-energy short-memory deep vision networks on resource-constrained IIoT edge devices
<p>Technical Program Committee</p> <ul style="list-style-type: none"> Juanita Koilpillai, Waverley Labs, USA Nabil Abdennadher, University of Applied Sciences, Western Switzerland Ronald Martin, Capitol Technology University, USA Fuad Shamieh, Evertz Microsystems, Canada Radwa Sultan, Manhattan College, USA Ahmed Shalaby, Louisville University, USA Wafaa Elmannai, Manhattan College, USA Mohamed Abdelpakey, UBC, Canada Ali Helmi, Louisville University, USA Sara Zimmo, Western University, Canada Agwad ELTantawy, UBC, Canada Sabin Bhandari, Western University, Canada Fahmi Khalifa, Louisville University, USA Ruslan Kain, Queen's University, Canada Umair Mohammed, Florida International Univ., USA Mohammed Saif, UBC, Canada Amr Zaki, Queen's University, Canada Hocine Ait Saadi, Universite Blida, Algeria Waleed Mohamed, Virtek Vision, Canada 	
<p>Paper Submission Guidelines</p> <p>All final submissions should be written in English with a maximum paper length of six (6) printed pages see web conference for instructions. Papers must be submitted through https://epapers.org/wf-iiot2021/ESR/login.php. See conference web page for instructions: https://wfiiot2021.iot.ieee.org/authors-proposers/</p>	
<p>Important Dates</p>	

Paper submission deadline: Feb 21, 2021 Paper acceptance notification: March 21, 2021 Camera-ready submission: April 21, 2021	
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