

## Conference Announcement on Humanoid 2021

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We are pleased to welcome you to the "Conference on Humanoid robotics, Artificial intelligence and Automation" after the successful completion of the series of Robotics Congress. The congress is scheduled to take place in the beautiful city of London, UK on May 21-22, 2020. This Humanoid 2020 conference will provide you with an exemplary research experience and huge ideas.

The perspective of the Humanoid 2020 Conference is to set up and exchanging ideas for a better understanding of the field of humanoid robotics, AI and automation and its future aspects.

This conference aims at attracting the interest of attendees to exchange, share and discuss advances and developments in Robotics Research and Automation Applications. Humanoid robotics is an important branch of biomimetic robotics and is not only associated with science and engineering disciplines but also deeply connected to social, legal, and ethical domains.

Integration of remote sensing, process modeling, and machine learning to advance agricultural monitoring and management.

The first humanoid statically and later dynamically balanced robot, WABOT, by Ichiro Kato of Waseda University, Japan, was developed around the same time. Since then, many scientists and engineers have been working on this topic. Nowadays, robots like Sophia, MANAV (3d printed robot), MITRA, ROBOCOP and many more robots are live example of humanoid robots and here we are at the beginning of a long journey of creating a humanoid robot that is intelligent and can act, reason, and interact like a human being in real-world scenarios. Donation by well-chosen living donors with good health coverage carries negligible risks. This can only be ensured through rigorous selection procedures, careful surgical nephrectomy and donor follow-up to ensure optimal management of undesired consequences.

To enhance the field and make people aware of it. The organizing committee decided to hold a conference. Humanoid Robotics is one of the fast growing and developing areas in field of innovation and technology.

People who have missed attending the past conference are most welcome to present your research ideas at the 2020 Humanoid conference. This conference will help you improve networking with eminent people in the field of Robotics and technology.

Current state-of-the-art observation technologies and modeling capabilities pave a promising way to advance a predictive understanding of terrestrial ecohydrological processes. Real-time and high-density observational networks and measurements, including flux tower matrix, Wireless Sensor Networks (WSNs), Internet of Thing (IOT), Unmanned Aerial Vehicle (UAV) remote sensing, have been successfully established and widely utilized for monitoring ecohydrological and geophysical variables across scales (such as precipitation, evapotranspiration, soil moisture, streamflow, groundwater and vegetation). Via data-model integration, hyper-resolution computational ecohydrological models become powerful tools to improve predictivity based on high-quality datasets. Computational models combined with data assimilation methods and physics-informed machine learning methods provide a promising numerical testbed to interpret field observations and analyze the complexity of the coupled processes. Sensitivity Analysis (SA) and Uncertainty Quantification (UQ) are also prominent to assess the performance of the numerical testbed and develop the next generation data-model platforms.

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