Special Issue

Computer Vision and Machine Learning Methods for Land Use Land Cover Change Modelling and Forecasting

Message from the Guest Editors

Population growth, resource extraction, and natural disturbances are precipitating rapid changes in global land cover dynamics; for example, the spatial expansion of cities is culminating in significant vegetation and habitat loss and/or fragmentation. Forecasting terrestrial change using Earth observation sensor data has been a daunting task; however, with emerging algorithms, new computational tools, and sensor capabilities offered by recent technological advancements, Earth observation and monitoring is taking a more sophisticated dimension with improved accuracy. Accurate and up-to-date knowledge of land use and land cover (LULC) trajectories would enable policy-makers to devise and implement effective and sustainable land management policies. This Special Issue (SI) aims to attract cutting-edge research with a focus on LULC modelling and forecasting using emerging computer vision, deep learning methods, remote sensing data, and simulation-derived data.

Guest Editors

Dr. Karim Malik

School of the Environment, University of Windsor, Windsor, ON N9B 3P4, Canada

Dr. Cameron Proctor

School of the Environment, University of Windsor, Windsor, ON N9B 3P4, Canada

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Land
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
land@mdpi.com

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Prof. Dr. Christine Fürst
Institute for Geosciences and Geography, Department Sustainable Landscape Development, University of Halle, Von-Seckendorff-Platz 4, 06120 Halle, Germany

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