

# Call for Book Chapter



## Machine Learning for Sustainable Development

ISBN No. 978-3-11-070248-4 (Hardcover)

ISBN No. 978-3-11-070251-4 (Pdf)

### Call for Chapter

#### Introduction

The book will focus on the applications of machine learning for sustainable development. This book provides an understanding of sustainable development and how we can forecasting it using machine learning approaches.

This book has two parts

The part-I provides the machine learning models for sustainable development includes weather forecasting, management for clean water, food security, Life on land, product design and lifecycle, sustainable development in tourism, policymaking process and e-governance renewable energy with experimental and analytical results. Moreover, the book has compressive studies regarding the energy demand prediction using models of machine learning that have profoundly contributed to energy efficiency. It also covered the machine learning approches for Green Internet of Things (G-IoT) and Environmental IoT (E-IoT) for sustainable development. This part of the book provides a straight forward approach to ML based model sustainable solutions in various sectors of business and society. It is a framework for business opinion leaders and professionals, as well as an orientation for stakeholders of academia.

The part-II covered the case studies, which shows the opportunities for ML-based hybrid approaches for sustainable development and also provides the guidance to redesigning of the organization.

#### Tentative Topics (But not limited)

- Machine Learning for sustainable development in tourism
- Machine Learning for weather forecasting
- Machine Learning models for Disease detection
- Machine Learning for Agriculture
- Machine learning methods for renewable energy
- Machine Learning for sustainable management for clean water and sanitation for all.
- Machine Learning for food Security
- Machine learning for Life on land
- Machine Learning for the policymaking process and e-governance
- Machine product design and lifecycle
- Machnie lLearning for Environmental IoT (E-IoT)
- Machine Learning for Green Internet of Things (G-IoT)
- Case Studies for Sustainable development using a hybrid approach

**Keywords:** Machine Learning, Sustainable Development, Artificial Intelligence, Applications, IoT

#### Important Dates:

Abstract Submission: **July 31, 2020**

Full-Article Submission: **September 30, 2020**

Acceptance/Rejection Notification: November 30, 2020

Camera-Ready Submission: December 30, 2020

#### Editor's

##### Kamal Kant Hiran, SMIEEE

Assistant Professor  
Department of Computer Sci. and  
Engg., Sir Padampat Singhania  
University, Udaipur, India  
Personal URL:  
<http://www.kamalhiran.in/>  
Phone No: + 91 8860209177  
Email: kamalhiran@gmail.com



##### Dr. Deepak Khazanchi

Professor of Information Systems &  
Quantitative Analysis  
College of Information Science &  
Technology  
University of Nebraska at Omaha,  
USA  
Personal URL: <https://dkhazanchi.com/>  
Email: khazanchi@unomaha.edu



##### Dr. Ajay Kumar Vyas, MIEEE

Assistant Professor,  
Department of Information &  
Communication Technology  
Adani Institute of Infrastructure  
Engineering, Ahmedabad, India  
Phone No: +91-8758533735  
Email: ajayvyas@ieee.org



##### Dr. Sanjeevikumar Padmanaban, FIETE, FIE, FIET, SMIEEE

Assistant Professor,  
Department of Energy Technology  
Aalborg University, Denmark  
Email: san@et.aau.dk



#### Submission Procedure

Authors must submit their manuscript on the EasyChair account

Submission Link: <https://easychair.org/conferences/?conf=amlsd2020>