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# CALL FOR BOOK CHAPTERS

**BOOK TITLE: Intelligent Prognostics for Engineering Systems with Machine Learning Techniques**

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## ABOUT BOOK

Intelligent Prognostics for Engineering Systems using Machine Learning deals with tools and techniques used to predict/ extrapolate/ forecast the process behaviour, based on current health state assessment and future operating conditions with the help of Machine learning. Prognostics and health management (PHM) has emerged over recent years as significant technologies which has impacted commercial as well as military maintenance practices. This discipline links failure mechanisms to system lifecycle management. This book provides basis for grasping the all stages of prognostics approach and application in different industrial engineering systems..

## SUBMISSION GUIDELINES

A proposal for book chapter is needed from prospective authors before the due date. Abstract need to be approximately 500 words with title and list of authors. Please mail the abstract to the editor(s) before deadline. After abstract acceptance, the full length chapter (minimum 12 to 15 pages) will be required in specific CRC press format available on the website (<https://www.routledge.com/our-customers/authors/how-to-publish-with-us>).

## LIST OF TOPICS (BUT NOT LIMITED TO)

- Introduction to Prognostics and Health Management (PHM) of engineering systems
- Intelligent system condition monitoring
- Anomaly/ fault detection
- Role of prognostic approaches in PHM
- Data driven prognostic approaches
- Physics based prognostic approaches
- Hybrid prognostics
- Other miscellaneous prognostic approaches
- Remaining Useful Life (RUL) estimation approaches
- Applications of prognostics for engineering systems
- Role of Industry 4.0 technologies in intelligent prognostics of engineering systems

## IMPORTANT DATES

Deadline for abstract submission: 15 February, 2021  
Abstract Acceptance Notification: 25 February, 2021  
Deadline for full manuscript submission: 15 April, 2021

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