

Digital Twin: An Emerging Pan-Human Activity Revolution

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Description:

As the name suggests, a “Digital Twin” is a set of computer elements (such as programs, data collection, and virtual machines, among others) that behave, in some senses, like the original “thing”. More precisely,

- It keeps all the history of the state in which the “thing” has existed;
- It details the most likely state in which the “thing” currently stands;
- It allows us to explore the future of the state in which the “thing” could exist if certain action is taken;
- It provides the correct set of actions to apply to the “thing” to bring it to a targeted state at a given time.

What Should the Submitted Chapters Consider?

The book will present the recent scientific advances that allow a “Digital Twin” to do what it has to do. It will explore fields such as sensor theory, material sciences, mathematics, and mechanics.

It will also address questions of acceptance by humans from a sociological and cognitive-psychological slant, as well as the implications of this in terms of management (from a HR and change management perspective). The economic impacts of this will also be evoked.

About the Editor:

Emmanuel Frénod has more than 25 years’ experience in research and teaching mathematics. He works on ordinary differential equations and partial differential equations in physics, mechanics and biology. He also develops mathematical approaches for businesses and industry, and explores the ways in which those approaches may be embedded into AI. He is also the Founder of *See-d*, a consulting and implementation company specialising in data science and the use of AI for enterprises.

Submission Requirements:

The contributions should range from 5,000 to 20,000 words (i.e. 10 to 40 pages).

All chapters submitted should conform to the grammar and formatting guidelines provided by Cambridge Scholars Publishing, which can be viewed here: <https://www.cambridgescholars.com/pages/forms-guidelines>.

Unless agreed with the Editor prior to submission, referencing should be in Chicago style.

Any work submitted for publication should be free of copyright restrictions, and a statement should be submitted in support of this.

Contributions should be scholarly based, rather than anecdotal or unverifiable.

Contributions must be wholly in English, excluding footnotes, appendices, and short extracts for translation.

While we will perform pre-press evaluations on the collection, we do not provide full copyediting services, so we ask that works are submitted to us in their final, 'ready-to-go' form.

How to Submit?

You should submit to the Editor a completed proposal form, alongside a copy of your work for their review. This submission should be made directly to the address at the top of this page.

If you have any questions about the collection, prior to your submission, please contact the Editor.

Timeline:

The deadline for submission is the end of May, with the goal of putting the book into press in November.

All works should be submitted to the Editor, at the address provided at the top of this document.

The Editor will review these personally to consider their inclusion in the work. Should the Editor approve the chapters, you will then be asked to complete an agreement for the publication of these chapters. **It is essential that this agreement is completed in order for your work to be printed.**

Once the Editor has approved the chapter, and has received your contributor agreement, these will then be sent to Cambridge Scholars as a complete collection for pre-press reviews and publication. **As such, it is essential that the work you submit to the Editor is finalised and has been thoroughly proofread.**

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