PRESS RELEASE: Institute for Systems Engineering launches the second issue of “Practical Systems Engineering Journal”

[For Immediate Release]

Following the launch of the first issue of Practical Systems Engineering Journal last year, the Institute for Systems Engineering (IfSE) are delighted to announce the release of the second issue with the theme of ‘*Model-Based Systems Engineering*’.

This issue of the IfSE Practical Systems Engineering Journal features Fadl Isa as guest editor, and presents a total of six papers, intended to support systems engineers with practical tools and approaches to implement in their projects.

It also marks the centenary of the birth of, Systems Engineering pioneer, Professor Philip M’Pherson. We honour him by starting the Journal with a reprint of his 1981 paper ‘*A Framework for Systems Engineering Design’.* The inclusion of this paper on Systems Engineering design is of relevance both for its interest to practitioners, and as a tribute to the mathematician and systems engineer who had a profound influence of the discipline.

“Delivering the second issue of the Practical Systems Engineering Journal has been a collaborative effort involving dozens of people ranging from the paper authors, volunteer reviewers, and the IfSE publications team. One of the papers on a generic satellite platform illustrates the pragmatic application of MBSE where there are no existing ‘customer’ needs requiring much more focus on the problem space. The human and team related issues arising are highlighted. It has been a pleasure working with the Editor-in-Chief and the rest of the IfSE publications team who have supported me in my role.” – **Fadl Isa, Guest Editor**

“[Professor Philip M’Pherson] stated, in his 1974 paper A Perspective on Systems Science and Systems Philosophy that ‘Philosophy, theories and methods in systems science and systems philosophy offer a means for bringing reductionism and holism into a satisfactory alliance.’ This is an appropriate summary of our aims with this journal: to bring together theory and practice, reductionism and holism, to provide the reader with well-grounded practice that can be applied to the complex problems faced by modern systems engineers.” – **IfSE Technical Director, Professor Michael Henshaw**

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Fadl Isa states “*What struck me in reading the papers is the feeling of being catapulted into the contexts and environments covered by the papers. One could sometimes imagine themselves in conversation with the authors. This practical focus for me is the distinct quality that marks the Journal out from others.*”

We invite you to dive into the world of Systems Engineering and learn from experts on a plethora of topics within and beyond Model-Based Systems Engineering.

The IfSE Practical Systems Engineering Journals can be purchased on the IfSE Online Store here: https://ifse.org.uk/Program_Files/Store/Default

[OCTOBER 2026]

---- End of Press Release ----

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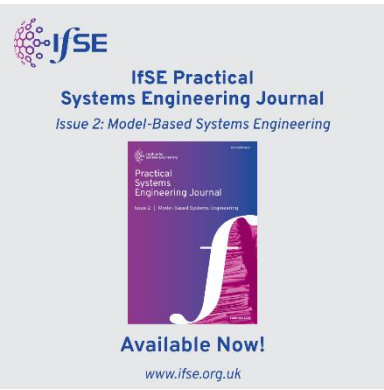
Notes to Editor

Social Media Post



IfSE have launched their second issue of the Practical Systems Engineering Journal themed on Model-Based Systems Engineering. Now available to purchase on the IfSE Online Store as a hardback and eBook: https://ifse.org.uk/Program_Files/Store/Default

#IfSE #SystemsEngineering #Publication

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About The Institute for Systems Engineering (IfSE)

The Institute for Systems Engineering (IfSE), the home of Systems Engineering in the United Kingdom, is a Professional Engineering Institute licensed by the Engineering Council.

If you are looking for insights on how to practise Systems Engineering, then IfSE is the institute for you.

The ‘flavour’ of Systems Engineering most prevalent in the UK has developed into an open and inclusive practice that facilitates the application of Systems Thinking and Systems Engineering principles in domains outside of the traditional domains of defence and aerospace.

In recent years, the membership of IfSE has widened significantly from its roots, expanding to include domains such as automotive, rail, energy, civil engineering, space, medicine, and security. IfSE attracts members from all around the globe. For more information, please visit www.ifse.org.uk

IfSE runs the UK’s Annual Systems Engineering Conference (ASEC), a flagship event that brings together professionals and practitioners from an array of backgrounds, with the common interest of building upon their Systems Engineering knowledge, networking and sharing ideas with their peers.

In addition to this, IfSE has a growing collection of publications, including the ‘Don’t Panic’ range, beginner’s guides to the different aspects of Systems Engineering, as well as the Advanced Applications books, Academic Journals, Educational and STEM books.

IfSE was formerly known as INCOSE UK and operates the UK Chapter of the International Council on Systems Engineering (INCOSE), a not-for-profit membership organisation founded to develop and disseminate the interdisciplinary principles and practices that enable the realisation of successful systems.

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IfSE Publications

Presenting The Institute for Systems Engineering
Practical Systems Engineering Journal 2025 - Agile in Systems Engineering
Practical Systems Engineering Journal 2026 – Model-Based Systems Engineering
Annual Systems Engineering Conference - Proceedings 2018 - 2025
Capability Systems Engineering Guide
Agile Systems Engineering Guide
Architects Manifesto for Development of Systems Engineering
Introduction to Systems Architecting
UK Systems Engineering Competency Framework
Z Guide Bundles
U Guides
Omega Guides
SEASON (Systems Engineering Assessed State of the Nation) Reports 2009, 2014, 2020, 2026

Advanced Applications in Systems Engineering

Implementing MBSE into Your Business - The Trinity Approach

Systems Engineering Education

Adventures In Systems Engineering – Manual and Workbook
TeamStorming – Facilitator and Participant Guide
Think Engineer – Key Stage 2
Think Like an Engineer

Don’t Panic! Guides

The Don’t Panic! Guides have been developed as a result of a growing number of people asking for more of our thorough, short, and easily-digestible guides and are a maximum of 75 pages in length. There is now a total of 12 guides available to purchase on the Institute for Systems Engineering Online Store some of which have been translated into other languages. See the full list of Don’t Panic! Guides below:

Available in hardback and eBook

Don’t Panic! The Absolute Beginner’s Guide to Agile in Systems Engineering
Don’t Panic! The Absolute Beginner’s Guide to Architecture and Architecting
Don’t Panic! The Absolute Beginner’s Guide to Architecture Frameworks
Don’t Panic! The Absolute Beginner’s Guide to Configuration Management
Don’t Panic! The Absolute Beginner’s Guide to System Integration and Test

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Don’t Panic! The Absolute Beginner’s Guide to Managing Interfaces
Don’t Panic! The Absolute Beginner’s Guide to MBSE
Don’t Panic! The Absolute Beginner’s Guide to Modelling Functionality
Don’t Panic! The Absolute Beginner’s Guide to Service and Service Systems
Don’t Panic! The Absolute Beginner’s Guide to System Design
Don’t Panic! The Absolute Beginner’s Guide to SysML v2
Don’t Panic! The Absolute Beginner’s Guide to Systems Thinking

Japanese Translation (eBook only)

Don’t Panic! The Absolute Beginner’s Guide to MBSE
Don’t Panic! The Absolute Beginner’s Guide to SysML v2

German Translation (eBook only)

Don’t Panic! The Absolute Beginner’s Guide to SysML v2

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