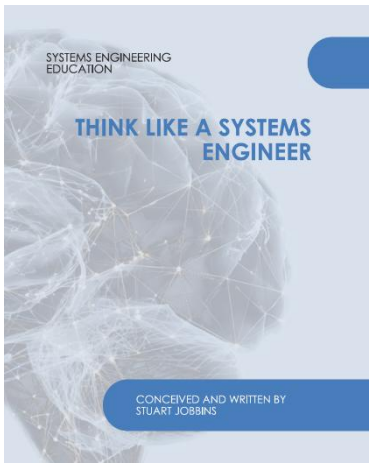
Institute for Systems Engineering

PRESS RELEASE

The Institute for Systems Engineering launches new Educational Book: *Think Like a Systems Engineer*

[For immediate release]



The Institute for Systems Engineering (IfSE) are expanding on their educational Systems Engineering guides with the launch of *Think Like a Systems Engineer.* This is an early careers book, not aimed at seasoned systems engineers, but is an attempt to give you fast start, a set of ideas and nudges, and significant encouragement to believe in yourself.

Think Like a Systems Engineer is authored by Stuart Jobbins. It provides some of the answers you might traditionally get from a mentor, both supportive but also sometimes challenging you to focus on what should be happening and the goals you are trying to achieve.

"Think Like a Systems Engineer was written on the premise that those new to Systems Engineering could be helped by a Mentor, but recognised that 'local' advice potentially came with bias. It was a pleasure to use my varied domain and consultancy experience to recognise some of the 'headwinds' in establishing good practice and provides them for reference, in easily digestible form." – Author, Stuart Jobbins

"We are excited to be further expanding the educational range of publications that the Institute for Systems Engineering has to offer. This book is tailored for early careers systems engineers to offer them an ideal footing to gain confidence in Systems Engineering." – IfSE Technical Director, Michael Henshaw

Think like a Systems Engineering is now available to purchase on the IfSE Online Store. IfSE produce a range of publications from beginner, to advanced to educational. Browse all publications on the IfSE Online Store: https://ifse.org.uk/Program_Files/Store/Default

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PRESS RELEASE

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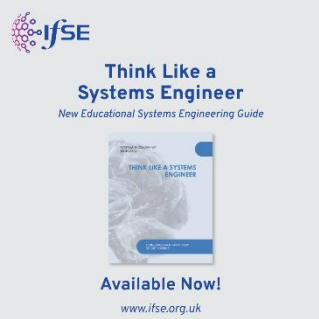
Notes to Editor

Social Media Post



IfSE have launched a new educational guide, 'Think Like a Systems Engineer'. 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

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 as 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.

About the Authors

Stuart Jobbins recognised, from very early in his career, the problems of the skills gap between academic teaching and industry's expectations of ready for work engineers, when new engineers are faced with the complexity and scale of industrial challenges. The breadth of Systems Engineering as a topic can make first or even masters degree learning look superficial, overly narrow in focus, or potentially mismatched with a real job. Most people suffer impostor syndrome in a new job but this can be acute for systems engineers.

Stuart served time in voluntary roles trying to address this gap as a STEM ambassador, professional mentor, as a member of the IET Council and as INCOSE UK (now IfSE) Outreach Director.

IfSE Publications

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:

Institute for Systems Engineering

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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
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

Other Publications

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

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

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U Guides
Omega Guides
SEASON (Systems Engineering Assessed State of the Nation) Reports 2009, 2014, 2020, 2026

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https://ifse.org.uk/Program_Files/Store/Default