Words from the EdSIG's Newsletter Editorial Team...

If anyone would like to write an article for the newsletter about good practice, previous EdSIG events or school outreach, or anything else that you think our community would find it interesting - please do not hesitate to get in touch at specialinterestgroups@icheme.org. The Editorial team would like to wish everyone wonderful holidays and a great new year ahead!

From the editors:
Chika Nweke, Sze Pheng Ong

Good Practice Exchange

Book Launch Event for New IChemE Simulation Book

Prof. Dominic C. Y. Foo
University of Nottingham Malaysia

EdSIG Malaysia Chair Professor Dominic C. Y. Foo conducted a book launch event on the 24 Oct 2022, during the International Conference of Energy, Environment and Digital Transformation held at Milan, Italy. During the event, Professor Foo launched the 2nd edition of his textbook Chemical Engineering Process Simulation that was recently published by the Elsevier and IChemE.

During the book launch event, Professor Foo told that in his observation, many universities do not have proper teaching of process simulation. In most cases, students are left to pick up the software by themselves, as if they are playing "computer games". This motivated him to develop structured material to ease fellow chemical engineering instructors in the teaching of process simulation. This will enable the training of new generation of engineers in mastering this important skillset upon graduation, and hence to enhance their employability.

Professor Foo also invited the IChemE President Professor David Bogle to give some remarks on his book during the book launch event. Professor Bogle said "I haven't seen such a comprehensive book in this area. It is based around popular software with a particularly broad and impressive set of examples to help guide good practice and understanding."

The new edition of the book consisted of 5 sections. Section 1 of the new edition is similar to that in the first edition, where basic steps of process simulation are covered, such as solving algorithm, component addition,

thermodynamic models, etc. Besides, Chapter 1 also outlines "Ten important habits of process simulation", hope to advice process engineers in converging their simulation flowsheet in more efficient manner. Novice to process simulation are highly encouraged to read this important chapter. Sections $2 - 5$ of the 2nd edition have new chapters with basic guides and case studies built on various commercial process simulation software in the market. These including UniSim Design (Honeywell), Symmetry (Schlumberger), SuperPro Designer (Intelligen, Inc.), Aspen Plus (AspenTech) and Aspen HYSYS (AspenTech).

The basic guides of these software are found in chapters that were designed to enable students for self-learning of

Figure 1. Book launch event where Professor Foo invited the IChemE President Professor David Bogle to give some remarks on his book.

these software. Besides, the book also comes with various teaching support material (e.g. solution, simulation files, PPT, figures) that enable instructor in preparing lecture with ease. Interested instructors or students may visit ScienceDirect or Elsevier website for this book.

EdSIG Activities

Please visit our webpage for the upcoming activity.