



# International Compumag Society

Newsletter

Volume 27 No. 1

ISSN 1026-0854

1 March 2020

## From the Editor

*It is with profound sadness and a sense of great loss that we are saying goodbye to Bill Trowbridge. Bill was a real giant in the field of computational electromagnetics and his tremendous contributions are exemplified not only by his books and papers, but mainly by his leadership. He created the Compumag series of conferences, still going strong after well over 40 years, as well as the CEFC series (now an IEEE conference). In early 90s he had a vision of setting up the International Compumag Society, now into 27th year of existence, and was its first President. Thousands of researchers around the world would have used the suite of software Opera, originally developed by the company Bill formed in the early 80s, then known as Vector Fields. His influence on the shaping of the future of the discipline cannot be overestimated. Bill attended many conferences, gave numerous invited talks around the world, visited several research and industrial institutions, was by far the most influential and known member of our community. Rest in Peace our Dear Friend.*

*Please read the obituaries prepared by his former colleagues and friends on the following pages of this Newsletter.*

*May I also recommend to you the very interesting Technical Article prepared by the organisers of the next CEFC conference to take place in Pisa, Italy, at the end of April. There are several meetings and conferences relevant to the members of the Society, please see the details inside.*

Jan Sykulski

## Contents:

Bill Trowbridge	1
Artificial Intelligence Based Predictive Maintenance of Electromagnetic Devices (technical article)	7
IGTE Symposium, Graz, Austria	19
CEFC 2020, Pisa, Italy	20
Future events	20

## Bill Trowbridge, OBE

*10<sup>th</sup> July 1930 – 13<sup>th</sup> November 2019*



It is with great regret that we report the passing away of Professor Charles William (Bill) Trowbridge, the founder and first President of the International Compumag Society, later the Honorary President of ICS. Please read inside this volume about his achievements and influence on our community over many years of service to science and engineering. I have also collected a few photographs of Bill which you will find on the inside cover. Many members of the Society would have known or met him at various conferences.

The Editor