

Preface

We, members of the Multiple-valued Family, have wanted to express our gratitude to Prof. Dr. Kenneth Carless Smith, KC as Colleagues, Students and Friends used to call him, by contributing to this Special Issue of the *Journal of Multiple-valued Logic and Soft Computing*.

In 1971, Prof. Donald Givone, from the State University of New York in Buffalo organized a *Symposium on the Theory and Applications of Multiple-valued Logic Design*. A handful of people attended that first Symposium. K.C. Smith was one of the Attendees and shared with the group his vast experience in the design of digital and analog circuits.

In 1972, Prof. Givone organized a 2nd. Symposium in Buffalo, N.Y., and in 1973 Prof. Zvonko Vranesic organized the following meeting in Toronto, Canada. From that year on, the Symposium started to be called *International Symposium on Multiple-valued Logic* (ISMVL). At that time, we, the Attendees of the 1971 Symposium, were not aware of the fact that we have been co-Founders of a Series of Symposia that would continue year after year, without interruption, already reaching its 54th realization in May of this year in Brno, Czech Republic. In most, if not in all these Symposia, K.C. Smith was present in one way or another: giving motivating talks, showing his diplomatic skills leading e.g., to the first ISMVL hosted by the South China University of Science and Technology, Guangzhou, China in 1989, establishing the K.C. Smith Prize for young scientists contributing to the ISMVL, and at the ISMVL 2004 in Toronto giving us as a present, signed copies of the 5th Edition of THE Book *Microelectronic Circuits* co-authored by his former graduate student Adel Sedra, published by the Oxford University Press.

For this Special Issue, authors from China, Czech Republic, Finland, Germany, Japan, Serbia, and the USA offered contributions ranging from semiconductor hardware through theoretical computer science to integrated photon based quantum circuits.

Some former students of K.C. Smith produced a video of aspects of his life, done with talent and yes, indeed with love. This video is now available at Youtube: <https://youtu.be/94iHJn6lJeo>. Readers may also want to visit <https://sscs.ieee.org/membership/in-memoriam/>, Courtesy of ISSCC.

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