

## **Papers dedicated to Florin Gheorghe Filip, Fellow of the Romanian Academy (Editorial)**

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This issue of ROMJIST is partly dedicated to Prof. Florin Gheorghe Filip, Fellow of the Romanian Academy, at his 75<sup>th</sup> anniversary and at completion of 15<sup>th</sup> years of leadership as President of the Information Science and Technology Section of the Romanian Academy. Prof. Florin Gheorghe Filip is a member of the Section of Information Science and Technology of the Romanian Academy since the Section inception, in 1992. He has been elected for three times (in 2000, 2002 and 2006) as Vice-President of the Romanian Academy. He has been nominated the Director of the Library of the Romanian Academy in 2004. During the period 1997–2000 he served as Scientific Director and President of the Scientific Council of the Central Institute for Informatics, the main research institute in computer science in Romania. Florin Gheorghe Filip served as a Professor in three Romanian universities and holds honorary doctorates from universities from Romania and abroad.

Prof. Filip's oeuvre encompasses hundreds of papers and tens of edited and authored books in the fields of decision making and control. He was also a principal investigator for several grants in these domains.

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Five papers in this issue are dedicated to Prof. Florin Gheorghe Filip. They are briefly introduced below.

The paper by Paun, Jiminez, and Rozenberg, titled “Infinite Spike Trains in Spiking Neural P Systems”, approaches computability with infinite sequences of bits with spiking neural P systems. The study brings new results, continuing previous studies on the same topic. A special mention deserves the section “Computing Morphisms”, where results on length preserving morphisms are derived, among others, serving as a way for computation with current devices.

Duca, Travin, Zinicovscaia, and Precup authored the paper titled “Approach to Evaluate the Data of Moss Biomonitoring Studies: Preprocessing and Preliminary Ranking”, which proposes an interesting way of detecting and assessing the effect of pollution using moss “sensors” for biomonitoring, where the moss cultures are selected due to their sensitivity to polluting metals.

The paper by Stefan revisits the fundamentals of information theory, asking and answering from new perspectives the essential question of what information is. This captivating topic is

dealt with in an appealing manner by the author, despite the difficulty of the topic and despite the large number of previous approaches discussed in the paper. The author exposes the difficulties of former treatments and proposes a synthetic meaning for the notion of information.

The paper by Tapus, titled “Advanced High-performance Bus (AHB) Interconnect - Functional Verification”, exemplifies the use of theoretical and software tools for assessing the design quality of chip integrated systems. The paper demonstrates the use of the simulation-based testing for solving the major problem of design verification.

The empirical study by Teodorescu and Pirnau analyzes the effect of the current energy crisis on the tweets content and detects some unexpected facts. The study may have implications in decision-making at the public authorities’ level.