



Helena Rasiowa

Preface

The volume no. 100 of *Fundamenta Informaticae* gives an opportunity to recall a bit of history. The journal was founded in 1977 by Helena Rasiowa and Zdzisław Pawlak in response to the growing need of the then emerging Polish community of theoretical computer science to establish a platform of contact with researchers in the field all over the world. The journal was launched by the Polish Mathematical Society, with the title alluding to the celebrated *Fundamenta Mathematicae*, a journal founded in Warsaw in 1920 which visibly influenced the development of mathematics in the 20th century.

Helena Rasiowa was the first Editor-in-Chief of *Fundamenta Informaticae*. Her openness to new ideas, her strong sense of quality, and a far-reaching view of the role of mathematics in computer science determined the line of the journal. After her death in 1994, the responsibility was taken by Andrzej Skowron who has served in this position till 2009. His work greatly contributed to the international recognition and visibility of the journal.

In October 1993, professor Rasiowa signed the special anniversary issue commemorating the publication of the 20th volume of FI. In the *Preface* she wrote on her cherished journal as follows:

Its path has been often marked by names of authors whose deep influence on the development of research has been widely recognized, but it has also hosted beginners making their way into the literature with promising results.

I have invited to the present special issue the authors whose work published in *Fundamenta Informaticae* proved to be particularly influential. Some of them, when first publishing in FI, were actually *beginners making their way into the literature*, but their excellent papers passed the test of time. I deeply thank all the authors who have accepted my invitation.

Alex Rabinovich, who in 1988, together with Boris Trakhtenbrot contributed a paper on the behaviour of networks [21], now, with his young collaborators Vince Bárány and Łukasz Kaiser, proves results on the expressiveness of monadic logic on trees [2]. Johan van Benthem, who conferred his work on modal logic and logic programming to FI [3, 4], now with his student Amélie Gheerbrant opens a logical perspective for game theory. Thierry Coquand continues his work on type theory [6, 1, 7]. Barbara Dunin-Kępicz, who together with Rineke Verbrugge contributed important work on logics for multi-agent systems, including a highly cited paper on collective intentions [11], now, together with Linh Anh

Nguyen and Andrzej Szalas, proposes a logic of graded concepts [10]. The two co-authors have also offered much of their best work to FI (e.g., [18, 9]). Ivo Dütsch, Ewa Orłowska, and Ingrid Rewitzky extend a perspective of duality between algebras and relational structures [13]; all these authors have previously contributed to FI [12, 19, 20]. Jerzy Grzymała-Busse, who in 1997 published a highly cited paper devoted to the system LERS [14], now, with W.Rzasa continues to develop the system [15]. Antoni Mazurkiewicz whose concept of trace inspired much work presented in FI by many authors, now contributes a paper on local algorithms for triangular graphs [17]. Andrzej Skowron and Jarosław Stepaniuk, the authors of one of the most cited papers of FI on tolerance approximation spaces [23], now, together with Roman Swiniarski present a generalization of approximation spaces motivated by real-life applications [22]. D.Vakarelov, who contributed work on various aspects of modal logic (in particular, [8]), now proposes an algebra for reasoning about space and time [24]. Gerrit Jan Veltink who in 1990 published, together with Sjouke Mauw, a landmark paper on the process specification formalism [16], now subsumes the development of PSF for the last two decades [25].

Celebrating the anniversary issue, I would like to thank all the colleagues who have been acting in the Editorial Board throughout years, as well as all the numerous referees, without whose hard work the journal could not exist.

Last but not least I would like to thank the director of IOS Press Dr. Einar Fredriksson, as well as all the technical assistants in Warsaw and in Amsterdam, for their excellent cooperation in maintaining the journal of high quality.

Damian Niwiński

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