

Book Prize of the Unione Matematica Italiana, edition 2025

The Unione Matematica Italiana (UMI) has established a Prize, sponsored by Springer-Verlag, to honor an excellent, original and unpublished monograph in any field of mathematics, to be possibly published in the Springer, Series UMI Lecture Notes in Mathematics (UMI LNiM).

For the fifth edition the Ufficio di Presidenza of UMI, after consulting the Comitato Premi and the Commissione Scientifica, has nominated a Prize Committee composed of the following professors: *Marco Andreatta (President of UMI), Piermarco Cannarsa, Přemysl Jedlička, Mercedes Maj, Corinna Ulcigrai.*

The Prize Committee met on August 27, 2026 (at 5 p.m. online via ZOOM) and, after an accurate and in-depth analysis of the two monographs presented, has come to the following conclusion.

The Prize Committee, with the unanimity of its members, decided to award the UMI Book Prize, edition 2025, to the monograph *Skew Braces*, by A. Ballester-Bolinches, M. Ferrara, V. Pérez-Calabuig, M. Trombetti.

The project addresses a relatively young and rapidly developing area for which the relevant material is still dispersed across the research literature; it has a convincing purpose and the potential to fill a genuine gap as both an introductory text and a reference work.

The organization is one of the principal strengths of the volume. The exposition progresses coherently from the necessary group-theoretic and Yang–Baxter background to the structural theory of skew braces and then to more specialized developments, computational methods, and open problems. This progression gives the manuscript a recognizable unity rather than the appearance of a collection of unrelated research results. The inclusion of detailed examples, exercises, computational material, an index, a list of acronyms, and an extensive bibliography further enhance its usefulness. The treatment also appears well connected with current research and conveys the vitality of the subject.