

Applied Mathematics at the Joint Meeting of UMI, SIMAI and PTM

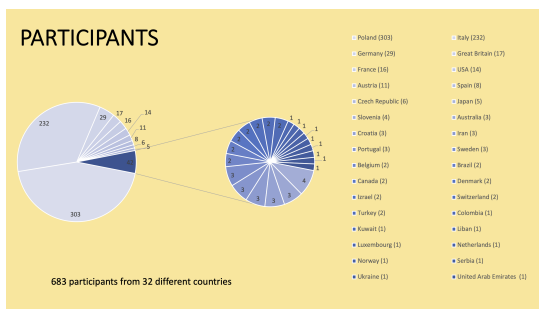
September 17–20, 2018, Wrocław



The Joint Meeting of the Italian Mathematical Union, the Italian Society of Industrial and Applied Mathematics and the Polish Mathematical Society took place in Wrocław from Monday, September 17th till Thursday, September 20th, 2018. The conference was a continuation of bilateral meetings organized in the last years by the Polish Mathematical Society together with other national societies. Needless to say, such format does not exclude mathematicians from other countries—the conference in Wrocław also hosted a large group of participants from outside Poland and Italy. The meeting was hosted by the Faculty of Mathematics

and Computer Science of the University of Wrocław and the Faculty of Pure and Applied Mathematics of Wrocław University of Science and Technology. It was the fourth bilateral symposium of PTM after the Second World War, preceded by:¹ AMS-PTM Joint Meeting (Warsaw) in 2007, IMU-PTM Joint meeting (Łódź) in 2011 and DMV-PTM Joint Meeting (Poznań) in 2014.

The topics of the UMI - SIMAI - PTM meeting represent the wide range of mathematical research conducted in Italy and Poland, including applications of mathematics. The twelve plenary lectures were delivered by the following speakers: *Michael Dumbser* (Università di Trento), *Veronica Gavagna* (Università di Firenze), *Christopher Hacon* (University of Utah), *Rafał Łatała* (Uniwersytet Warszawski), *Marta Lewicka* (University of Pittsburgh), *Anna Marciniak-Czochra* (Heidelberg University),



¹More about congresses of Polish mathematicians can be found in [Duda \(2018\)](#).

Marian Mrozek (Uniwersytet Jagielloński), Giorgio Ottaviani (Università di Firenze), Luigi Preziosi (Politecnico di Torino), Jacek Świątkowski (Uniwersytet Wrocławski), Susanna Terracini (Università di Torino), and a guest plenary speaker Maria Esteban (Université Paris-Dauphine).

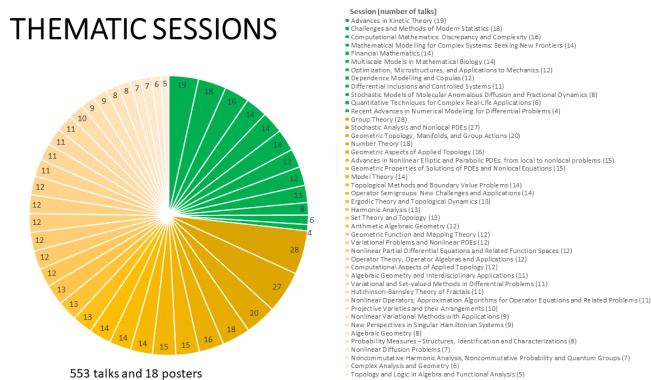


Figure 1: The sessions by topics.

The meeting hosted in total 683 participants from 32 countries. There were 553 talks in 45 thematic sessions (v. Figure 1). Although the borderline between applied and theoretical mathematics cannot be made precise, the sessions marked green were more on the applications' side. For detailed information on the conference we refer to the book of abstracts [1] and the conference website.

References

- [1] M. Andreatta, A. Celletti, V. Coti-Zelati, G. Fotia, G. Karch, W. Kryszewski, J. Mięgisz, G. Russo, M. Ryznar, and J. A. Wiśniewski, editors. *Abstracts of talks. Joint meeting of the Italian Mathematical Union, the Italian Society of Industrial and Applied Mathematics and the Polish Mathematical Society*. Polish Mathematical Society, Wrocław, September 2018.
- [2] R. Duda. One hundred years of the Polish Mathematical Society. *Antiquitates Mathematicae*, 12:3–30, 2018. ISSN 2353-8813. doi: 10.14708/am.v12i0.6422.

**Zastosowania matematyki na polsko-włoskim zjeździe
matematyków
17–20 września 2018, Wrocław**

Abstract Polsko-włoski zjazd matematyków w 2018 został zorganizowany pod auspicjami Polskiego Towarzystwa Matematycznego, Włoskiej Unii Matematycznej (Unione Matematica Italiana) i Włoskiego Towarzystwa Matematyki Przemysłowej i Stosowanej (Società Italiana di Matematica Applicata e Industriale). Zjazd stanowił kontynuację spotkań bilateralnych organizowanych w ostatnich latach przez Polskie Towarzystwo Matematyczne z innymi stowarzyszeniami krajowymi. Ta bilateralna formuła nie wyklucza udziału matematyków z innych krajów—zjazd we Wrocławiu gościł też dużą grupę uczestników spoza Polski i Włoch. Zjazd został zorganizowany przez Wydział Matematyki i Informatyki Uniwersytetu Wrocławskiego oraz Wydział Matematyki Politechniki Wrocławskiej. Było to czwarte bilateralne sympozjum PTM po II Wojnie Światowej (v. [Duda \(2018\)](#)). Pierwszym było spotkanie AMS-PTM (Warszawa) w 2007 r., a kolejnymi IMU-PTM (Łódź) w 2011 r. oraz DMV-PTM Joint Meeting (Poznań) w 2014 r.

Key words and phrases: sympozjum, matematyka czysta, matematyka stosowana, Polska, Włochy.

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