

Ireneusz Reclaw



October 31, 1960 - February 4, 2012

Professor Reclaw was born October 31, 1960 in Koscierzyna, Poland where he attended the J. Wybicki High School. At the University of Gdansk he studied under Prof. Edward Grzegorek and in 1988 received the Ph.D. degree by defending his thesis On Subsets of the Real Line Small in the Sense of Measure and Category. He received his habilitation from University of Warsaw, Singular Subsets of the Reals and Infinite Combinatorics. In 2008 received the title of Professor of Mathematics from the President of Poland.

Professor Ireneusz Reclaw was an outstanding mathematician, world known for his work in set theory. His work focused on applications of set theory in topology, measure theory and real functions. He solved a great number of problems posed by others including D. Fremlin, F. Galvin, E. Grzegorek, M. Laczko, A. Miller, J. Mycielski, and others. In 1987, assuming the Continuum Hypothesis, Reclaw proved that the product of two perfectly meager sets does not need to be perfectly meager solving a 55 year old problem

of Edward Marczewski. At that time he collaborated with J. Cichon and B. Weglorz at the University of Wrocław. Later he worked with J. Brown and G. Gruenhage at the Auburn University, with H. Judah in Israel, S. Koppelberg at the Free University of Berlin and J. Jasinski at the University of Scranton. Jointly with A. Nowik (Andryszczak), T. Bartoszynski and J. Pawlikowski he wrote several papers concerning small subsets of the real line. His proof that every Lusin set is undetermined in the Point-open game is among his most cited results.

Reclaws unprecedented understanding of product sets led him to discover generalizations of the Fubini Theorem with P. Zakrzewski and the Kuratowski-Ulam Theorem with D. Fremlin and T. Natkaniec. His collaborations with L. Bukowski and M. Repicky produced several papers on pointwise versus quasinormal convergence of sequences of real functions. Working with K. Plotka he published a paper on finite-continuous Hamel functions and with J. Jasinski on continuous restrictions of real functions. Many of his late works were on ideal convergence of sequences of real functions. With D. Borzestowski, R. Filipow, J. Jasinski, M. Laczkovich, N. Mrozek, and P. Szuca, Reclaw proved generalizations of classic theorems of Ramsey, Mazurkiewicz, Bolzano-Weierstrass and Lunina. He was an author of 37 papers, recipient of scholarships from Humbolt and Kosciuszko Foundations, and served as a Contributing Editor for the Real Analysis Exchange.

Professor Ireneusz (Irek) Reclaw was a dedicated teacher of mathematics. He taught numerous courses in Poland and in the USA. His enthusiasm for mathematics was well received by his graduate and undergraduate students. He supervised two Ph.D. students, R. Filipow and N. Mrozek. Most recently he directed the Division of Algorithm Design at the University of Gdansk. Irek's life was interrupted at a time when he and all those around him enjoyed every moment of it. His warm personality and witty sense of humor will be missed by his wife, Elżbieta, sons Olek and Michał and many friends around the world.

Publication List

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- [5] Rafał Filipów, Nikodem Mrożek, Ireneusz Reclaw, and Piotr Szuca, *Ideal convergence of bounded sequences*, J. Symbolic Logic **72** (2007), no. 2, 501–512, DOI 10.2178/jsl/1185803621. MR2320288 (2008f:40002)
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- [13] Ireneusz Reclaw and Piotr Zakrzewski, *Fubini properties of ideals*, Real Anal. Exchange **25** (1999/00), no. 2, 565–578. MR1778511 (2001e:03086)
- [14] ———, *Strong Fubini properties of ideals*, Fund. Math. **159** (1999), no. 2, 135–152. MR1670087 (2000b:03174)
- [15] Tomasz Natkaniec and Ireneusz Reclaw, *Universal summands for families of measurable functions*, Acta Sci. Math. (Szeged) **64** (1998), no. 3-4, 463–471. MR1666018 (2000i:26004)
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