



In Memoriam: Aldo de Luca

WORDS, Loughborough University
September 11, 2019

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- ▶ Professor Emeritus, Univ. Napoli Federico II 2012–2018

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- ▶ ... and of course **combinatorics on words**

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- ▶ He attended all editions up to his retirement (1997–2009), plus Turku 2013

Aldo's best articles (according to himself)



A. de Luca and S. Varricchio. “On noncounting regular classes”. In: *Theoret. Comput. Sci.* 100 (1992), pp. 67–104.



A. de Luca. “Sturmian words: structure, combinatorics, and their arithmetics”. In: *Theoret. Comput. Sci.* 183 (1997), pp. 45–82.








A. Carpi and A. de Luca. “Words and special factors”. In: *Theoret. Comput. Sci.* 259 (2001), pp. 145–182.



A. de Luca and S. Termini. “A definition of a nonprobabilistic entropy in the setting of fuzzy sets theory”. In: *Information and Control* 20 (1972), pp. 301–312.

More selected works

-  J.M. Boë, A. de Luca, and A. Restivo. “Minimal complete sets of words”. In: *Theoret. Comput. Sci.* 12 (1980), pp. 325–332.
-  E.R. Caianiello and A. De Luca. “Decision equation for binary systems. Application to neuronal behavior”. In: *Kybernetik* 3 (1966), pp. 33–40.
-  E.R. Caianiello, A. De Luca, and L.M. Ricciardi. “Reverberations and control of neural networks”. In: *Kybernetik* 4 (1967), pp. 10–18.
-  A. de Luca and A. Restivo. “A characterization of strictly locally testable languages and its application to subsemigroups of a free semigroup”. In: *Inform. and Control* 44 (1980), pp. 300–319.
-  A. de Luca and S. Varricchio. “On a conjecture of Brown”. In: *Semigroup Forum* 46 (1993), pp. 116–119.

A more personal view

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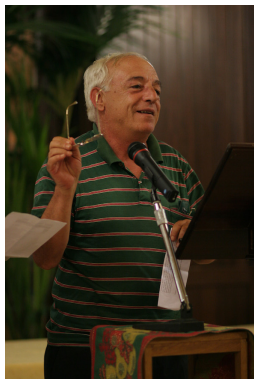
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- ▶ because of the great care he took over the details.
- ▶ He was a great teacher and an enthusiastic researcher.
- ▶ He did not care much about academic “politics”; research was his lifelong passion.



Thank You