

# MTT-14 Report to TCC

Amsterdam, October 27, 2008

Chair: L. Boglione

Vice-chair: P. Smith



October 27,  
2008

MTT-14 for TCC

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# MTT-14 Membership Update

- One member resigned (with honors!)
  - Wolfgang Heinrich
- One member joined (welcome!)
  - Matthias Rudolph
- Current & past Chair, 05.2003 – 10.2008:
  - Luciano Boglione (2008-2010)
  - François Danneville (2005-2007)
  - Marian Pospieszalski (2002-2004)

# MTT-14 workshops

YEAR	TITLE	TYPE	ORGANIZERS
2009	State-of-the-Art of low noise III-V narrow bandgap and Silicon FET technologies for low power consumption	Workshop	Francois D., Paulius S.
2008	Noise In Linear Circuits	Tutorial	Marian P., Luciano B.
2007	Noise in Nonlinear Circuits: Theory, Modeling, and Measurement Techniques	Workshop	Fabrizio B., Andrea Ferrero (MTT-11)
2006	Noise Measurements and Modeling for CMOS	Workshop	Jim R., Tom McKay (MTT-11)
	Noise in SiGe and III-V HBTs and Circuits: Opportunities and Challenges	Workshop	Paulius S., Francois D.
2005	Very Large Microwave Arrays for Radio Astronomy and Space Communications	Workshop	Sander W.
2004	High Frequency Noise in Advanced Silicon-based Devices: from Basics to State-of-the-art Device and Circuit Performance	Workshop	Francois D., Luciano B.
2003	Device Low Frequency Noise and Phase Noise of Microwave Circuits: How Good a Connection	Workshop	Francois D.
	Microwave and Millimeter-Wave Radiometry: State-of-the-Art and Future Trends	Workshop	Marian P, Edward W.

Submitted to IMS09



# MTT-14 student competition

- Low Noise Amplifier Design Competition

- Organizers:

- Roger Kaul, r.kaul(at)ieee.org
    - Ed Niehenke, e.niehenke(at)ieee.org
    - Stefan Heinen, stefan.heinen(at)ieee.org
    - Luciano Boglione, l.boglione(at)ieee.org



Submitted to  
IMS09

- Sponsors

- Microwave and Millimeter-Wave Integrated Circuits (MTT-6)
    - Microwave Low-Noise Techniques (MTT-14)
    - Microwave Systems (MTT-16)
    - Wireless Communications (MTT-20)

# Website

- Run by MTT14
- Up to date, provides on-line tools for noise and other calculations
  - Good amount of hits
  - It gets "googled" out easily
    - Look for "Friis"!
- Latest improvement
  - MTT14 minutes available on the website

# Future plans

- Face to face MTT annual meeting at IMS to discuss future activities and direction
  - To be scheduled at IMS09 in Boston