



Prof. Andreas Polydoros

University of Athens / KAU

Email	polydoros@phys.uoa.gr , polydoros@ieee.org
Http://	http://wireless.phys.uoa.gr/members/polydoros.html
Research Interest	<ul style="list-style-type: none">• Statistical Communication Theory• Spread Spectrum Systems and Networks• Digital Signal Processing

**Selected
Publications**

Journals:

Trends in Adaptive Modulation and Coding

[A.Zalonis](#), [N.Miliou](#), [I.Dagres](#), [A.Polydoros](#) and H.Bogucka
Advances in Electronics and Telecommunications, vol. 1, no. 1, April 2010

Decision-directed least-squares phase perturbation compensation in OFDM systems

[I.Dagres](#) and [A.Polydoros](#)
IEEE Transactions on Wireless Communications, vol. 8, No 9, Sept. 2009

PHY abstraction methods for OFDM and NOFDM systems

A.Kliks, [A.Zalonis](#), [I.Dagres](#), [A.Polydoros](#) and H.Bogucka
Journal of Telecommunications and Information Technology, No. 3, 2009

Flexible Radio: a Framework for Optimized Multimodal Operation via Dynamic Signal Design

[I.Dagres](#), [A.Zalonis](#), [N.Dimitriou](#), [K.Nikitopoulos](#) and [A.Polydoros](#)
EURASIP Journal on Wireless Communications and Networking 2005:3, 284-297, Special issue on Reconfigurable Radio for future generation wireless systems, August 2005

Phase-impairment effects and compensation algorithms for OFDM systems

[K.Nikitopoulos](#) and [A.Polydoros](#)
IEEE Transactions on Communications, vol. 53, No 4, April 2005

Decision-directed compensation of phase noise and residual frequency offset in a Space-Time OFDM receiver

[K.Nikitopoulos](#) and [A.Polydoros](#)
IEEE Communications Letters, vol. 8, No.9, pp. 573-575, Sept. 2004

Layered Coding for Satellite-plus-Terrestrial Multipath Correlated Fading Channels

[A.Levissianos](#), [G.Metaxas](#), [N.Dimitriou](#) and [A.Polydoros](#)
International Journal of Satellite Communications and Networking, vol.22: 489-502, Sep-Oct 2004
(invited paper)

Found at <http://wireless.phys.uoa.gr/publications/index.html>