

List of Publications and Presentations Delivered by the University of Maryland Space Plasma Physics Group, supported by the MURI

Journal Publications

A. Najmi, G. Milikh, J. Secan, K. Chiang, M. Psiaki, P. Bernhardt, S. Briczinski, C. Siefring, C.L. Chang, and K. Papadopoulos (2014), Generation and detection of super small striations by F-region HF-heating, *J. Geophys. Res.*, *119*, doi: 10.1002/2014JA020038.

B. Eliasson, G. Milikh, X. Shao, E.V. Mishin, and K. Papadopoulos (2014), Incidence angle dependence of Langmuir turbulence and artificial ionospheric layers driven by high-power HF-heating, *J. Plasma Phys.*, doi:10.1017/S0022377814000968.

B. Eliasson and K. Papadopoulos (2015), Numerical study of anomalous absorption of O mode waves on magnetic field-aligned striations, *Geophys. Res. Lett.*, *42*, 2603, doi: 10.1002/2015GL063751.

A. Najmi, G. Milikh, Y. M. Yampolski, A. V. Koloskov, A. A. Sopin, A. Zalizovski, P. Bernhardt, S. Briczinski, C. Siefring, K. Chiang, Y. Morton, S. Taylor, A. Mahmoudian, W. Bristow, M. Ruohoniemi, and K. Papadopoulos (2015), Studies of the ionospheric turbulence excited by the fourth gyroharmonic at HAARP, *J. Geophys. Res.*, doi:10.1002/2015JA021341.

Vartanyan, G. M. Milikh, B. Eliasson, A. C. Najmi, C. L. Chang, M. Parrot, and K. Papadopoulos (2015), Generation of whistler waves by continuous HF heating of the upper ionosphere, *Geophys. Res. Lett.* (communicated).

Invited Presentations

K. Papadopoulos, A new paradigm in sources and physics of high-power ionospheric modifications (invited review), 20th Annual RF Ionospheric Interactions workshop, April 2014, Arecibo, Puerto-Rico.

K. Papadopoulos, Upper hybrid effects in artificial ionization (invited talk), Fall AGU meeting, December 2014, San Francisco, California

K. Papadopoulos, Ionospheric modifications using mobile, high power HF transmitters based on HPM technology (invited talk), ICOPS, May 2015, Belek, Antalya, Turkey.

Contributed Presentations

A. Najmi, G. Milikh, J. Secan, K. Chiang, M. Psiaki, P. Bernhardt, S. Briczinski, C. Siefring,

C.L. Chang and K. Papadopoulos, Super Small Striations (SSS) and F-Region Heating at HAARP, 20th Annual RF Ionospheric Interactions workshop, April 2014, Arecibo, Puerto-Rico.

A.Vartanyan, G. Milikh, B. Eliasson, A. Najmi, M Parrot, K. Papadopoulos, VLF generation by continuous HF heating of the upper ionosphere, 20th Annual RF Ionospheric Interactions workshop, April 2014, Arecibo, Puerto-Rico.

G. Milikh, Studies of the Ionospheric Turbulence Excited by the Fourth Gyroharmonic at HAARP, Fall AGU meeting, December 2014, San Francisco, CA.

A.Najmi, B. Ellison, X. Shao, G. Milikh, K. Papadopoulos, Vlasov simulations of ionospheric heating near the upper hybrid layer, Fall AGU meeting, December 2014, San Francisco, CA.

G. Milikh, Studies of the Ionospheric Turbulence Excited by the Fourth Gyroharmonic at HAARP, International Ionospheric Effects Symposium, May 13, 2015, Alexandria, VA.

A.Vartanyan, Generation of whistler waves by continuous HF heating of the upper ionosphere, International Ionospheric Effects Symposium, May 13, 2015, Alexandria, VA.

A. Najmi, Vlasov simulations of ionospheric heating near the upper hybrid layer,, International Ionospheric Effects Symposium, May 13, 2015, Alexandria, VA.