

## Publications 1/2

### Refereed Journals

1. V G Peschansky, K Yiasemides, Anomalous Transparency of Thin Metal Films in the Radio-Frequency Range, *Sov J. Low Temp Phys*, 1980, 6(4), 260-61
2. V G Peschansky, O V Young, K Yiasemides, Cyclotron Resonance on Open Electron Orbits, *Sov J. Low Temp Phys*, 1980, 6(5), 294-97
3. V G Peschansky, V Kardenas, M A Lurie, K Yiasemides, High-Frequency Phenomena in Metals in Multichannel Reflection of Electrons by a Sample Boundary, *Sov Phys JETP*, 1981, 53(4), 849-58
4. V G Peschansky, M A Lurie, K Yiasemides, A New Mechanism of Anomalous Penetration of Electromagnetic Waves into a Metal, *Physics Letters*, 1981, 84A(4), 193-94
5. M A Lurie, V G Peschansky, K Yiasemides, Oscillation of the Transparency of Metals in a Weak Magnetic Field, *JETP Lett*, 1982, 36(6), 238-41
6. M A Lurie, V G Peschansky, K Yiasemides, Electromagnetic-Field Spikes in Thin Metal Slabs *J Low Temp Phys* 56(3/4), 277-313, 1984
7. V G Peschansky, I V Kozlov, K Yiasemides, High-Frequency Impedance of Layered Conductors in a High Magnetic Field, *Low Temp Phys*, 2000, 26(2), 169-70
8. E Adamides, S K Koutroubas, N Moshonas, K Yiasemides, Gamma Ray Attenuation Measurements as a Laboratory Experiment. Some Remarks. *Physics Education*, 2011, 46(4), 398-402
9. E Adamides, A Kavadjiklis, S K Koutroubas, N Moshonas, A Tzedakis and K Yiasemides, Reduction of the buildup contribution in gamma ray attenuation measurements and a new way to study this experiment in a student laboratory, *Physics Education*, 2011, 49(1), 55-60
10. K Zachariadou, K Yiasemides and N Trougakos, A Low-Cost Computer-Controlled Arduino-Based Educational Laboratory System for Teaching the Fundamentals of Photovoltaic Cells, *European Journal of Physics*, 2012, 33, 1599-1610
11. K Zachariadou and K Yiasemides, A laboratory over the internet for a course on data analysis, *European Journal of Physics*, 2014, 35(035020), 1-12

### Miscellaneous

1. E. Adamides, A. Kavadjiklis, S.K. Koutroubas, N. Moshonas and K. Yiasemides, *The Build-Up Effect as a Bridge Between Education and Research*, Piraeus University of Applied Sciences, 2013

### Conferences

1. V G Peschansky, V Kardenas, K Yiasemides High-Frequency Phenomena in Metals in Multichannel Reflection of Electrons by a Sample Boundary 21st All-Union Conf Low Temp Phys, Kharkov, Abstracts, 1980, Part 3, 213-14
2. V G Peschansky, V Kardenas, M A Lurie, K Yiasemides High-Frequency Phenomena in Metals at Multichannel Reflection of Electrons by a Specimen Boundary *Physica B+C* (16th Int Conf Low Temp Phys), 1981, 108(1-3), 889-90
3. V G Peschansky, Yu A Kolesnichenko, M A Lurie, K Yiasemides Electromagnetic Wave Propagation in a Film of Normal Metal Proc 17th Int Conf Low Temp Phys, 1984, Part 2, Contributed Papers, 1079-80
4. V G Peschansky, V Kardenas, M A Lurie, K Yiasemides Microwave Transparency of Thin Metal Plates in Parallel Magnetic Field *Jpn J Appl Phys* (18th Int Conf Low Temp Phys), , 1987, Suppl 26-3, 661
5. V G Peschansky, I V Kozlov, K Yiasemides High-Frequency Phenomena in Layered Conductors in a Strong Magnetic Field 18th Gen Conf Cond Mat Div Europ Phys Soc, Montreux, Switzerland, 2000

## Publications 2/2

6. Zachariadou K., Yiasemides K., Trougakos N., Prezerakos G. Development of a Computer-based Educational Laboratory Experiment for Teaching the Fundamentals of Photovoltaic Cells, eRA-6, Piraeus University of Applied Sciences,, September 2011
7. Adamides E., Kavadjiklis A., Koutroubas S.K., Moshonas N. and Yiasemides K. The Build-Up Effect In Gamma-Ray Attenuation Measurements as a Laboratory Experiment, 14<sup>o</sup> Πανελλήνιο Συνέδριο Ενωσης Ελλήνων Φυσικών, Καμένα Βούρλα, Μάρτιος 2012
8. K Zachariadou and K Yiasemides A low-cost system of computer-based educational activities for teaching experimental data analysis, eRA-7, Piraeus University of Applied Sciences, September 2012
9. E. Adamides, A. Kavadjiklis, S.K. Koutroubas, N. Moshonas, A. Tzedakis and K. Yiasemides Geiger Gun: a system to minimize the buildup effect in  $\gamma$ -ray attenuation measurements as a laboratory experiment, eRA-7, Piraeus University of Applied Sciences, September 2012
10. K Zachariadou and K Yiasemides Teaching the Central Limit Theorem using an Arduino-controlled radiation sensor, International Conference on Nanosensory systems and Nanomaterials, GTU, Tbilisi, Georgia, 6-9 June, 2013
11. K Zachariadou and K Yiasemides A Remotely Controlled Radiation Sensor for Teaching the Central Limit Theorem eRA-8, Piraeus University of Applied Sciences, September 2013
12. P. Amprachamian, A. Lazarou, K. Yiasemides, K. Prekas, P. Papageorgas and K. Zachariadou MEMS Acceleration Sensors for studying the Simple Pendulum in a General Physics Laboratory, eRA-10, Piraeus University of Applied Sciences, September 23–25, 2015