

# Adam Dziekoński

Lista publikacji  
z dnia 31 października 2012

## Publikacje w czasopismach

1. Dziekoński A., Sypek P., Lamęcki A., Mrozowski M., 2012, **Finite element matrix generation on a GPU**, *Progress In Electromagnetics Research* 128: 249-265
2. Dziekoński A., Lamęcki A., Mrozowski M., 2011, **Tuning a Hybrid GPU-CPU V-Cycle Multilevel Preconditioner for Solving Large Real and Complex Systems of FEM Equations**, *IEEE Antennas and Wireless Propagation Letters* 10: 619-622
3. Dziekoński A., Lamęcki A., Mrozowski M., 2011, **A Memory Efficient and Fast Sparse Matrix Vector Product on a GPU**, *Progress In Electromagnetics Research* 116: 49-63
4. Dziekoński A., Lamęcki A., Mrozowski M., 2011, **GPU Acceleration of Multilevel Solvers for Analysis of Microwave Components with Finite Element Method**, *IEEE Microwave and Wireless Components Letters* 21(1):1-3
5. Sypek P., Dziekoński A., Mrozowski M., 2009 **How to render FDTD computations more effective using a graphics accelerator**, *IEEE Transactions on Magnetics* 45(3):1324-1327

W druku:

6. Dziekoński A., Sypek P., Lamęcki A., Mrozowski M., 2012, **Accuracy, Memory and Speed Strategies in GPU-based Finite-Element Matrix-Generation**, *IEEE Antennas and Wireless Propagation Letters*
7. Dziekoński A., Sypek P., Lamęcki A., Mrozowski M., 2012, **Generation of Large Finite-Element Matrices on Multiple Graphics Processors**, *International Journal for Numerical Methods in Engineering*

## Prace pokonferencyjne i doniesienia zjazdowe:

8. Mamza J., Makyła P., Dziekoński A., Lamęcki A., Mrozowski M., **Multi-core and multiprocessor implementation in numerical integration in Finite Element Method**, 19th International Conference on Microwave, Radar and Wireless Communications(MIKON), 2012
9. Dziekoński A., Lamęcki A., Mrozowski M., **Jacobi and Gauss-Seidel Preconditioned Complex Conjugate Gradient Method with GPU**, European Microwave Conference (EuMC), 2010
10. Dziekoński A., Mrozowski M., **Tuning Matrix-Vector multiplication on GPU**, 2<sup>nd</sup> International Conference on Information Technology ICIT, 2010
11. Dziekoński A., Mrozowski M., **Krylov Space Iterative Solvers on Graphics Processing Units**, 18th International Conference on Microwave, Radar and Wireless Communications (MIKON), 2010
12. Dziekoński A., Sypek P., Kulas L., Mrozowski M., **Implementation of matrix-type FDTD algorithm on a graphics accelerator**, 17th International Conference on Microwave, Radar and Wireless Communications (MIKON), 2008