

# Publications

1. J. Bartovsky, P. Dokladal, E. Dokladalova, and V. Georgiev. Parallel implementation of sequential morphological filters. *Journal of Real-Time Image Processing*. 2011 (accepted, available online, doi:10.1007/s11554-011-0226-5).
2. P. Karas, V. Morard, J. Bartovsky, T. Grandpierre, E. Dokladalova, P. Matula, and P. Dokladal. GPU implementation of linear morphological openings with arbitrary angle. *Journal of Real-Time Image Processing*. 2012 (accepted, available online, doi:10.1007/s11554-012-0248-7).
3. J. Bartovsky, P. Dokladal, E. Dokladalova, M. Akil, and M. Bilodeau. Real-time streaming implementation of morphological filters with polygonal SE. *Journal of Real-Time Image Processing*. (accepted on June 2012, to appear).
4. J. Bartovsky, P. Dokladal, E. Dokladalova, and M. Bilodeau. One-scan algorithm for arbitrarily oriented 1-D morphological opening and slope pattern spectrum. In ICIP 2012, USA, October 2012.
5. J. Bartovsky, E. Dokladalova, P. Dokladal, and M. Akil. Efficient FPGA architecture for oriented 1-D opening and pattern spectrum. In ICIP 2012, USA, October 2012.
6. J. Bartovsky, D. Schneider, E. Dokladalova, P. Dokladal, V. Georgiev, and M. Akil. Morphological classification of particles recorded by the Timepix detector. In ISPA 2011, Croatia, September 2011.
7. J. Bartovsky, P. Dokladal, E. Dokladalova, and M. Bilodeau. Fast sequential algorithm for 1-D morphological opening and closing. In ISMM 2011, Italy, July 2011.
8. J. Bartovsky, P. Dokladal, E. Dokladalova, and V. Georgiev. Stream implementation of serial morphological filters with approximated polygons. In ICECS 2010, Greece, December 2010.
9. V. Kraus, M. Holik, J. Bartovsky, V. Georgiev, J. Jakubek, and D. Schneider. Space weather monitor based on the Timepix single particle pixel detector. In TELFOR 2010, Serbia, November 2010.
10. J. Bartovsky, E. Dokladalova, P. Dokladal, and V. Georgiev. Pipeline architecture for compound morphological operators. In ICIP 2010, Hong Kong, September 2010.

