# ECE Scholarly Works for the Period January 1st, 2012 to December 31st, 2012

(Url of publications: [http://www.mcgill.ca/ece/about/publications](http://www.mcgill.ca/ece/about/publications))

For jointly authored papers, the bibliographic details appear only once; under the list of publications for co-authors, a reference to the first appearance of the publication is added.

## 1 Articles in Refereed Publications:

### Arbel, Tal:


### Bajcsy, Jan:


### Bouffard, Francois:


### Boulet, Benoit:


CAINES, PETER E.:


CHAMPAGNE, BENOIT:


CHEN, LAWRENCE R.:


CHODAVARAPU, VAMSY:


CLARK, JAMES J.:


COATES, MARK J.:


COOPERSTOCK, JEREMY R.:


J. Blum*, M. Bouchard*, and J. R. Cooperstock. “Spatialized audio environmental awareness for blind users with a smartphone.” Mobile Networks and Applications


FERRIE, FRANK P.:


GIANNACOPOULOS, DENNIS:


GROSS, WARREN J.:


JOOS, GEZA:


KHAZAKA, RONI:


KIRK, ANDREW:


(also selected for the Virtual Journal of Biomedical Optics, 7 (6) May 2012)


LABEAU, FABRICE:


LEIB, HARRY:


LE-NGOC, THO:


LIBOIRON-LADOUCEUR, ODILE:


LOWTHER, DAVID A.:


MAHAJAN, ADITYA:


MI, ZETIAN:


PLANT, DAVID V.:


**PSAROMILIGKOS, IOANNIS:**


**RABBAT, MICHAEL:**


**ROBERTS, GORDON:**


ROCHETTE, MARTIN:


SZKOEPEK, THOMAS:

WEBB, JONATHAN:


ZENG, HAIBO:


ZILIC, ZELJKO:


II-C.2 OTHER PUBLICATIONS

ARBEL, TAL:


B. Oreshkin* and T. Arbel, "Optimization over Random and Gradient Probabilistic Pixel Sampling for Fast, Robust Multi-Resolution Image Registration ", in the Fifth Workshop on Biomedical Image Registration (WBIR 2012), Vanderbilt University, Nashville, Tennessee, USA, July 2012. (oral presentation).


BOULET, BENOIT:


CHAMPAGNE, BENOIT:


CHEN, LAWRENCE R.:


CHODAVARAPU, VAMSY P.:


CLARK, J.J.


COATES, MARK J.:


[COOPERSTOCK, JEREMY R.:


EL-GAMAL, MOURAD N.:


FERRIE, FRANK P.:


GIANNACOPOULOS, DENNIS:


GROSS, WARREN J.:


KHAZAKA, RONI:


KIRK, ANDREW G.:


LABEAU, FABRICE:


LEIB, HARRY:

[C110] Xiaofei Shao, Harry Lein, "Discretization methods of continuous time signals over frequency-flat fast-fading Rayleigh channels", IEEE Canadian Conference on Electrical and Computer Eng. (CCECE 2012), Montreal, Quebec, Canada, April 2012, paper MA02.5, Digital Object Identifier: 10.1109/CCECE.2012.6334850.


LE-NGOC, THO:


LEVINE, MARTIN D.:


LIBOIRON-LADOUCEUR, ODILE:


LOWTHER, DAVID A.:


MAHAJAN, ADITYA:


MCFEE, STEVE:


MEYER, BRETT:


MI, ZETIAN:


[C184] A. Shih, S. Fathololoumi, Y. Li, S. Zhao, H. P. T. Nguyen, I. Shih, and Z. Mi, “Negative differential resistance in GaN/AlN heterostructure nanowires,” 13th International


POPOVIC, MILICA


RABBAT, MICHAEL:


ROBERTS, GORDON W.:  


ROCHETTE, MARTIN:  


ROSE, RICHARD C.:


SHIH, ISHIANG:


SZKÓPEK, THOMAS:


WEBB, JONATHAN P.:

ZENG, HAIBO:


ZILIC, ZELJKO:


[C271] Z. Zilic and B. Karajica, "Training for Inter-disciplinary Multi-sensor Design at All Levels", Proceedings of IEEE Interdisciplinary Engineering Design Education Conference, IEDEC’12, Mar. 2012, pp. 7-9. (this paper has opened the conference, as a recognition of its trend-setting)