ECE SCHOLARLY WORKS FOR THE PERIOD JANUARY 1ST, 2014 TO DECEMBER 31ST, 2014

For jointly authored papers, the bibliographic details appear only once.

1 ARTICLES IN REFEREEED PUBLICATIONS:

**ARBEL, TAL:**


BAJCSY, JAN:


BOULET, BENOIT:


CAINES, PETER E.:


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R. Abdolee (PhD) and B. Champagne, “Diffusion LMS strategies in sensor network with noisy input data,” accepted for publication in IEEE/ACM Trans. on Networking, Sept. 2014.


L. R. Chen and P. Kung, “How partnership programs have enabled research and development: an example of a successful university-industry partnership/collaboration,” Photonics North, 28-30 May 2014, Montreal, QC, paper COMM30.60.3.


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**COATES, MARK J.:**


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**COOPERSTOCK, JEREMY R.:**


EL-GAMAL, MOURAD N.:  


GIANNACOPOULOS, DENNIS:


GROSS, WARREN J.:


JOOS, GEZA:


KHAZAKA, RONI:
[127] M. Kabir and R. Khazaka, "Order selection for loewner matrix based macromodels for accurate macromodeling of distributed high-speed modules from limited number of full-wave S-parameter data" 2014 IEEE Conf. on Signal and Power Integrity P 1-4

KIRK, ANDREW:

LABEAU, FABRICE:


Symposium on Signal Processing Advances in Wireless Communications, June 2014, pp. 199-203.


**LEIB, HARRY:**


**LE-NGOC, THO:**


Gowdemy Rajalingham, Yue Gao, Quang-Dung Ho, Tho Le-Ngoc, “Quality of Service Differentiation for Smart Grid Neighbor Area Networks through Multiple RPL Instances”, The 10th ACM International Symposium on QoS and Security for Wireless and Mobile Networks (Q2SWinet 2014), September 21-26, 2014, Montréal


Tuong Duc Hoang, Long Bao Le, Tho Le-Ngoc, “Resource Allocation for D2D Communications Under Proportional Fairness”, IEEE GLOBECOM 2014, December 8-12, 2014, Austin, TX


LEVINE, MARTIN:


LIBOIRON-LADOUCEUR, ODILE:


LOWTHER, DAVID A.:


MAHAJAN, ADITYA:


MEYER, BRETT:


B. Le, S. Zhao, N. H. Tran, T. Szkopek, and Z. Mi, “Mg-doped InN nanowires: p-Type conduction and ambipolar behaviors,” 18th International Conference on Molecular Beam Epitaxy, Flagstaff, Arizona, USA, Sept. 7-12, 2014. (Outstanding Student MBE Award)


S. Zhao, H. P. T. Nguyen, and Z. Mi, “Near-infrared InN nanowire optoelectronic devices on Si,” 2014 IEEE Summer Topical Meeting on


MICHALSKA, HANNAH:


MUSALLAM, SAM:


Poustinchi, M., Stacey, G., and Musallam, S. “Low Power Recording and Digitizing Circuits for Neural Prosthetics”. Proceeding of The 9th International


MUSSBACHER, GUNTER:


X. Xu, Q. Zhuge, M. Morsy-Osman, B. Châtelain, M. Qiu, M. Chagnon, W. Wang, and D. V. Plant, "Nonlinearity-tolerant frequency domain root M-shaped pulse


POPOVIC, MILICA:


[356] H. Bahrami, E. Porter, A. Santorelli, Benoit Gosselin, M. Popović, and Leslie A. Rusch, "Flexible Sixteen Monopole Antenna Array for Microwave Breast


M.G. Rabbat and K.I. Tsianos, “Asynchronous decentralized optimization in heterogeneous systems,” IEEE Conference on Decision and Control (CDC), Los Angeles, USA, December 2014. [invited]


ROBERTS, GORDON:


ROCHETTE, MARTIN:


F. Vanier, Y.A. Peter and M. Rochette, “2 μm cascaded Raman scattering emission from as2s3 high-Q microspheres,” at the International Conference on Optical MEMS and Nanophotonics, Mop2.4, Glasgow, Scotland, August (2014).

M. Rochette, “Progresses towards using the optical gain of highly nonlinear waveguides,” Invited presentation at the IEEE Summer topical meeting, TuD2.2, Montréal, Québec, July (2014).


R. Ahmad and M. Rochette, “All chalcogenide Raman-parametric laser, wavelength converter and broadband source in a single microwire,” at the IEEE/OSA Conference for Lasers and Electro-Optics (CLEO), STh1l.7, San Jose, California, June (2014).


J. C. Beugnot, R. Ahmad, M. Rochette, V. Laude, H. Maillotte, and T. Sylvestre, “Tunable stimulated Brillouin scattering in hybrid polymer-chalcogenide...

ROSE, RICHARD C.:

SHIH, ISHIANG:


SZKOPEK, THOMAS:


Graphene”, 32nd International Conference on the Physics of Semiconductors, Austin, USA, 10-15 August 2014.


WEBB, JONATHAN:


M. Janidarmian, A. Roshan Fekr, K. Radecka, Z. Zilic, “Portable Self-training System for Delivering mHealth Interventions to Rehabilitation Patients”, IEEE International Humanitarian Technology Conference (IHTC), June 1-4, 2014, Montreal, Canada. 4 pages

II-C.2 OTHER PUBLICATIONS

ARBEL, TAL:

BAJCSY, JAN:

BOUFFARD, FRANCOIS:


BOULET, BENOIT:


CHAMPAGNE, BENOIT:


CLARK, J.J.


COATES, MARK J.:


COOPERSTOCK, JEREMY R.:


[34] *Blum, Jeffrey and Cooperstock, Jeremy. "Summarizing motion data for remote implicit haptic communication." Peer reviewed research note, GRAND Annual Conference, May 2014.


EL-GAMAL, MOURAD N.:


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JOOS, GEZA:


F. Sacuto, F. Labeau and B. Agba, Caracterisation RF des postes haute tension: parametres pour les modeles de bruit impulsif selon le niveau de tension de l'environnement, Hydro-Quebec Symposium 3i (Varennes, QC), May 2014.

S. Ghazanfari Rad and F. Labeau, Optimal Variable Step-size diffusion LMS algorithm, Hydro-Quebec Symposium 3i (Varennes, QC), May 2014.

H. Mahboubi, M. Vaezi and F. Labeau, Distributed Deployment Algorithms for Efficient Coverage Subject to, Hydro-Quebec Symposium 3i (Varennes, QC), May 2014.

F. Sacuto, F. Labeau and B. Agba, Recepteur optimal adapte au bruit impulsif caracterisant l'environnement RF des postes hautes tensions, Hydro-Quebec Symposium 3i (Varennes, QC), May 2014.

H. Mahboubi, M. Vaezi and F. Labeau, Mobile Sensor Deployment for Prioritized Coverage of a field subject, Hydro-Quebec Symposium 3i (Varennes, QC), May 2014.

M. Alam and F. Labeau, Performance Analysis of Cooperative, Hydro-Quebec Symposium 3i (Varennes, QC), May 2014.


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<td>[74] Sean Huberman, “Dynamic resource allocation techniques for half- and full-duplex systems”, McGill University, 2014</td>
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<td>[76] Jamshid Rezaei Mianroodi, “Cooperative Coding and Decoding Schemes in Cellular Networks”, M.Eng, McGill University, December 2014</td>
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<tr>
<td>[79] MEng thesis (co-supervised) by Karami, Sara &quot;Coupling and modulating of light in plasmon waveguides&quot;</td>
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<td>[80] PhD thesis (solely supervised) by Meer Sakib &quot;Efficient optical front-end for data communications&quot;</td>
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[90] Mehnaz Mannan, Finite state approximation for a class of POMDPs and a comparison of reinforcement learning algorithms for energy storage management of renewable generation, MEng Thesis.

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MICHALSKA, HANNA


Farkhatdinov, Ildar, PhD thesis (final corrected version 2014) "Modeling Verticality Estimation During Locomotion". Co-supervised by V. Hayward, Adjunct Professor in Electrical and Computer Engineering, McGill University.

Platkiewicz, Jonathan, Michalska, Hannah, Hayward, Vincent,"Ideal-Observer Models of Perceptual Contrast Enhancement", Postdoctoral research report 2014; (now submitted as journal paper to J. Computational Biology)

MUSSALAM, WISSAM:


Nathan Friedman (2014). Simultaneous Decoding of Reach Target and Eye Position in Premotor Areas. MEng Thesis

PLANT, DAVID V.


PSAROMILIGKOS, IOANNIS:

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<th>Reference</th>
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<td>109</td>
<td>Kabbara, Jad</td>
<td>Kernel adaptive filtering algorithms with improved tracking ability</td>
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<td>T. Charalambous, M.G. Rabbat, M. Johansson, and C.N. Hadjicostis</td>
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<td>Babak Fotouhi</td>
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<td>112</td>
<td>Sunyoung Park, Clifford Champness, Ishiang Shih</td>
<td>Distribution of the ternary elements in the surface of sodium-containing Bridgman ingots of CuInSe2 + x</td>
<td>2014 Next Generation Solar Conference, Montreal, Quebec, Canada</td>
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<td>Sunyoung Park, Clifford Champness, Ishiang Shih</td>
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