Stepping onto the World Stage

Five undergraduate students from Queen's School of Computing Perk Lab will be going to Florida next winter to present the results of their research in Biomedical Computing. Mark Schumacher, Kyle Sunderland, Maggie Hess, Vinyas Harish, and Matt Lougheed have had their papers accepted for presentation at the SPIE Medical Imaging Conference to be held in Orlando, February 21-26, 2015.

The SPIE Medical Imaging Conference is one of the largest international conferences on medical imaging. The prestige of this conference is further demonstrated by the fact that each fully refereed 10-page accepted paper is published in the conference proceedings, and indexed on PubMed for the medical research community. “I am immensely proud of our undergraduates” said Dr. Gabor Fichtinger, Director of the Perk Lab.

Mark Schumacher
3rd year undergraduate

“Patient-specific surface mould applicators for high-dose-rate brachytherapy”

by M. Schumacher, A. Lasso, I. Cumming, A. Rankin, C. Falkson, J. Schreiner, C. Joshi, G. Fichtinger

Kyle Sunderland
3rd year undergraduate

“Reconstruction of surfaces from planar contours through contour interpolation”

by K. Sunderland, B. Woo, C. Pinter, and G. Fichtinger

Maggie Hess
2nd year undergraduate

“Quantification of intraventricular blood clot in MR-guided focused ultrasound surgery”

by M. Hess, T. Looi, A. Lasso, G. Fichtinger, J. Drake

Vinyas Harish
1st year undergraduate

“Intraoperative visualization and assessment of electromagnetic tracking error”

by V. Harish, T. Ungi, A. Lasso, A. Macdonald, S. Nanji, G. Fichtinger

Matt Lougheed
4th year undergraduate

“Evaluation metrics for bone segmentation in ultrasound”

by M. Lougheed, G. Fichtinger, T. Ungi