Canadian
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canadien

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Dr. Marta <u>Kersten</u>

Correspondence language: English
Sex: Female
Date of Birth: 12/23
Canadian Residency Status: Canadian Citizen
Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

<u>Home</u>

1-3539 Ave Lorne
Montreal Quebec H2X2A4
Canada

<u>Primary Affiliation</u> (*)

Concordia University
1455 De Maisonneuve Blvd. W.
Room EV 3.247
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Mobile (*)   514-432-4072

Email

Personal (*)   marta.kersten@gmail.com

Website

Personal   www.martakersten.ca

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Dr. Marta <u>Kersten</u>

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	Yes	No
German	No	No	Yes	Yes	No
Polish	No	No	Yes	Yes	No

Degrees

2015/5 - 2016/7	Post-doctorate, Medical image processing & image-guided neurosurgery, Montreal Neurological Institute Degree Status: Completed
2008/9 - 2015/4	Doctorate, PhD, Biomedical Engineering, McGill University Degree Status: Completed Supervisors: Dr. D. Louis Collins, 2008/9 - 2015/4
2003/1 - 2005/8	Master's Thesis, Master's of Science, Computer Science, Queen's University at Kingston Degree Status: Completed Supervisors: Dr. Randy Ellis and Dr. James Stewart, 2003/1 - 2005/9
1998/9 - 2002/10	Bachelor's Honours, Bachelor of Science, Computer Science, Queen's University at Kingston Degree Status: Completed
1998/9 - 2002/5	Bachelor's, Bachelor of Arts (Minor), Art History, Queen's University at Kingston Degree Status: Completed

Recognitions

2015/10	Best Paper Award, 1st place at the Workshop on Clinical Image-based Procedures - 500 (Euro) MICCAI Prize / Award Awarded for the best paper and presentation at the MICCAI Clinical Image-based Procedures workshop.
2015/5	BIC Data Blitz Award for Best Voted Talk - 500 (Canadian dollar) McConnell Brain Imaging Centre Prize / Award Awarded to the audiences favourite 5 min research talk at the McConnell Brain Imaging Centre data blitz.

2015/4	Tubber Prize for 2nd Best Presentation Neurosurgical Fellow's Day - 100 (Canadian dollar)
	Montreal Neurological Institute
	Prize / Award
	Awarded to the runner up best presentation at the Montreal Neurological Hospital's Neurosurgical Fellow's Day.

2014/9	Best Paper Award, 3rd Place at AE-CAI Workshop (MICCAI) - 250 (Canadian dollar)
	Augmented Environments - Computer Assisted Interventions Workshop
	Prize / Award
	Awarded to the 2nd runner up for the best paper of the Augmented-Environments and Computer Assisted Interventions workshop (MICCAI).

2013/9 - 2014/8	BME Excellence Award (Declined due to receiving the MNI/Dejardins Outstanding Student Award) - 10,000 (Canadian dollar)
	McGill University
	Prize / Award
	Awarded yearly to the most outstanding student based on publications, transcripts and letters of reference in the Biomedical Engineering Department at McGill University.

2013/9 - 2104/8	MNI Desjardins Outstanding Student Award - 20,000 (Canadian dollar)
	Montreal Neurological Institute
	Prize / Award
	The Neuro, McGill University has enabled the creation of the Desjardins Outstanding Student Award. Awards of 20 000 $ support top-rated graduate students and postdoctoral fellows who are advancing research to better understand the nervous system and neurological disorders and aid in developing new therapies.

2013/6	Killam Prize, Best Presentation Neuro Fellow's Day - 250 (Canadian dollar)
	Montreal Neurological Institute
	Prize / Award
	Prize for best presentation at Neurosurgical Fellow's Day at the Montreal Neurological Hospital.

2011/9 - 2012/8	BME Excellence Award, McGill University - 10,000 (Canadian dollar)
	McGill University
	Prize / Award
	These awards are meant to recognize the best graduate students in Biomedical Engineering, McGill University.

2008/9 - 2008/10	Provosts Graduate Fellowship Award - 5,000 (Canadian dollar)
	McGill University
	Distinction
	These awards is meant to recognize the best new graduate students.

2008/1	Society of Computer Science Top-up Award - 5,000 (Canadian dollar)
	McGill University
	Distinction

2007/1 - 2010/4	NSERC Canadian Graduate Scholarship (CGS D) - 105,000 (Canadian dollar)
	McGill University
	Prize / Award
	Click to edit honor descriptionAlexander Graham Bell Canada Graduate Scholarships-Doctoral (CGS D) provide financial support to high calibre scholars who are engaged in a doctoral program in the natural sciences or engineering. The CGS D will be offered to the top-ranked applicants (35,000 x 3 years).

2003/9 - 2004/8	Ontario Graduate Scholarship (Master's) - 15,000 (Canadian dollar) Government of Ontario Distinction The Ontario Graduate Scholarship (OGS) program encourages excellence in graduate studies at the master's and doctoral levels. It is a merit-based scholarship. Awards are available to students in all disciplines of academic study. An Ontario Graduate Scholarship is awarded for one academic year, which may consist of two or three consecutive terms. ($15,000)
2003/4	Best Undergraduate Thesis Award - 500 (Canadian dollar) Queen's University at Kingston Prize / Award Research Disciplines: Computer Science
2002/5	First Class Graduate and Dean's Honour List (Canadian dollar) Queen's University at Kingston Honor
2001/5 - 2001/8	NSERC Undergraduate Research Award - 6,000 (Canadian dollar) Natural Sciences and Engineering Research Council of Canada (NSERC) Distinction Research Disciplines: Computer Science

User Profile

Fields of Application: Biomedical Aspects of Human Health, Pathogenesis and Treatment of Diseases

Disciplines Trained In: Art History, Biomedical Engineering and Biochemical Engineering, Computer Science

Areas of Research: Angiography, Cerebral Tumors, Cerebrovascular Accident, Computer Systems, Imaging, Shape Recognition and Computer Graphics, Social, Economical and Political Impacts of Innovations, Software (Tools), Technological Innovations, Virtual Reality

Research Specialization Keywords: Augmented Reality, Computer Assisted Interventions, Human-Computer Interaction, Image-guided Surgery, Medical Image Visualization, Medical Imaging, Neurosurgery

Research Disciplines: Biomedical Engineering and Biochemical Engineering, Computer Science

Employment

2016/8	Assistant Professor Department of Computer Science & Software Engineering, Concordia University Full-time, Assistant Professor Tenure Status: Tenure Track
2009/5 - 2013/9	Web Administrator for the McConnell Brain Imaging Centre McConnell Brain Imaging Center, Montreal Neurological Institute Designed, deployed and managed the McConnell Brain Imaging Centre (Montreal Neurological Institute) website.
2006/1 - 2012/7	Co-founder of web design and web hosting company. Noname Designs Canada
2005/10 - 2007/1	Research Assistant Wilhelm Schickard Institute, GRaphisch-Interaktive Systeme, University Of Tübingen Full-time Tenure Status: Non Tenure Track

2005/5 - 2005/10	Research Assistant

2005/5 - 2005/10 Research Assistant
Telfer School of Management, Telfer School of Management, University of Ottawa
Full-time
Tenure Status: Non Tenure Track

2002/9 - 2003/1 Research Assistant
Telfer School of Management, Telfer School of Management, University of Ottawa
Full-time
Tenure Status: Non Tenure Track

2001/5 - 2001/9 Research Assistant
School of Computing, Faculty of Science, Queen's University at Kingston
Full-time
Tenure Status: Non Tenure Track

Affiliations

The primary affiliation is denoted by (*)

(*) 2015/5   Postdoctoral Fellow, McConnell Brain Imaging Centre, McGill University

Leaves of Absence and Impact on Research

2012/1 - 2012/9   Parental, McGill University
I took a maternity leave from January 2012-Sept 2012. The leave impacted the overall length of my PhD studies.

2009/1 - 2009/10   Parental, McGill University
I took a maternity leave from January 2009-Sept 2009 and in Sept 2009 returned to my studies part time. The leave impacted the overall length of my PhD studies.

Research Funding History

Awarded [n=1]

2016/5 - 2017/4
Principal Applicant

Jeanne Timmins Costello Fellowship, Fellowship

Funding Sources:

2016/5 - 2017/4   Montreal Neurological Institute
Jeanne Timmins Costello
Total Funding - 40,000
Portion of Funding Received - 40,000
Funding Competitive?: Yes

Completed [n=2]

2007/1 - 2010/5
Principal Applicant

NSERC Canadian Graduate Scholarship (CGS D), Scholarship

Funding Sources:

2007/1 - 2010/5   Natural Sciences and Engineering Research Council of Canada (NSERC)
Canadian Graduate Scholarship (CGS D)
Total Funding - 113,750
Portion of Funding Received - 113,750
Funding Competitive?: Yes

2003/5 - 2003/4
Principal Applicant

Ontario Graduate Scholarship, Scholarship

Funding Sources:

2003/5 - 2004/4	Ontario Student Assistance Program
	Ontario Graduate Scholarship
	Total Funding - 15,000
	Portion of Funding Received - 15,000
	Funding Competitive?: Yes

Declined [n=2]

2016/1 - 2021/1
Collaborator

Improving gross total resection of brain tumours with intraoperative ultrasound-guided neurosurgery to increase patient survival, Grant

Funding Sources:

2016/1 - 2021/1	Canadian Cancer Society Research Institute (CCSRI)
	Innovation Grant
	Total Funding - 1,250,000 (Canadian dollar)
	Portion of Funding Received - 0
	Funding Competitive?: Yes

Co-applicant : Jamie Near; Kevin Petrecca; Sridar Narayanan;

Co-investigator : Jeffery Hall; Nancy Mayo;

Principal Investigator : D. Louis Collins

2017/9 - 2020/8
Co-applicant

Improved image guided neurosurgery for brain tumours, Grant

Funding Sources:

2017/9 - 2020/8	Canadian Institutes of Health Research (CIHR)
	CIHR Project Grant Proposal
	Total Funding - 238,000
	Portion of Funding Received - 0
	Funding Competitive?: Yes

Co-applicant : David Fortin; Denise Klein; Jeff Hall; Kevin Petrecca; Maxime Descouteaux; Tal Arbel;

Principal Applicant : D. Louis Collins

Under Review [n=1]

2017/4 - 2020/4
Principal Applicant

Collaborative software environment to facilitate development of tools for image guided neurosurgery, Grant

Funding Sources:

2017/4 - 2017/4	Canadian Institutes of Health Research (CIHR)
	CHRP
	Total Funding - 300,000
	Portion of Funding Received - 0
	Funding Competitive?: Yes

Principal Applicant : Gabor Fichtinger; Hassan Rivaz; Maxime Descouteaux; Tal Arbel; Terry Peters;

Principal Investigator : D. Louis Collins;

Principal Knowledge User : Kevin Petrecca

Editorial Activities

2015/12 - 2020/12   Editor, International Society of Computer Assisted Surgery Newsletter and Blog, Newsletter

Mentoring Activities

2007/9 - 2007/12   Teaching Assistant, McGill University
Number of Mentorees: 40
Teaching Assistant for 4th year computer graphics course. Prepared and marked assignments, gave tutorials and office hours.

2003/9 - 2003/12   Teaching Assistant, Queen's University at Kingston
Number of Mentorees: 80
Teaching assistant for 4th year undergraduate course in Human Computer Interaction. I gave lectures, marked assignments, ran tutorial and held office hours.

2003/1 - 2003/5   Teaching Assistant, Queen's University at Kingston
Number of Mentorees: 150
Teaching assistant for 1st year undergraduate course "Introduction to Computing". Marked assignments, ran computer lab and gave office hours.

2001/9 - 2001/12   Teaching Assistant, Queen's University at Kingston
Number of Mentorees: 40
Teaching assistant for a 3rd year undergraduate "Software Architecture course". Marked assignments and held office hours.

2007/1 - 2001/5   Teaching Assistant, McGill University
Number of Mentorees: 300
Teaching assistant for 2nd year course "Introduction to Computing". Marked assignments, ran labs and held office hours. Also taught lectures when professor was away.

2001/1 - 2001/5   Teaching Assistant, Queen's University at Kingston
Number of Mentorees: 50
Teaching assistant for 2nd year "Software Specifications" course. Marked assignments and held office hours.

Organizational Review Activities

2015/12   Editor, International Society for Computer Assisted Interventions
As one of the editor of the ISCAS blog and newsletter, I solicit researchers to contribute the the newsletter, edit and review the articles, and also contribute as an author.

Community and Volunteer Activities

2013/9 - 2015/9   Elected Graduate Student Representative, McConnell Brain Imaging Centre
Voted to be the student representative on the McConnell Brain Imaging Centre (BIC) Council (at the Montreal Neuro) which meets monthly to discuss the finances, research and developments happening at the BIC.

Presentations

1. (2016). Augmented Reality in Image-guided Surgery. University of Dalhousie Computer Science Seminar Series, Halifax, Canada
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No

2. (2016). Augmented Reality in Image-guided Surgery. Medical Physics Unit Noon Seminar Series, Montreal, Canada
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No

3. (2016). Intraoperative Craniotomy Planning for Brain Tumour Surgery using Augmented Reality. Computer Assisted Radiology and Surgery (CARS), Heidelberg, Germany
   Main Audience: Researcher
   Invited?: No, Keynote?: No

4. (2015). Augmented Reality for Brain Tumour Resections. Computer Assisted Radiology and Surgery (CARS), Barcelona, Spain
   Main Audience: Researcher
   Invited?: No, Keynote?: No

5. (2015). Augmented Reality in Neurovascular Surgery. MNI Neurosurgery Fellow's Day, Montreal, Canada
   Main Audience: Knowledge User
   Invited?: No, Keynote?: No

6. (2015). Augmented Reality in Neurosurgery. BIC Data Blitz, Montreal, Canada
   Main Audience: Researcher
   Invited?: No, Keynote?: No

7. (2014). Augmented Reality in Neurovascular Surgery: First Experiences. Augmented Environments and Computer Assisted Interventions (AE-CAI) Workshop at MICCAI, Boston, United States
   Main Audience: Researcher
   Invited?: No, Keynote?: No

8. (2014). An Evaluation of Depth Enhancing Perceptual Cues for Vascular Volume Visualization in Neurosurgery. IEEE Conference on Visualization (VIS), Paris, France
   Main Audience: Researcher
   Invited?: Yes, Keynote?: No

9. (2013). Volume Visualization for Neurovascular Augmented Reality Surgery. Workshop on Medical Imaging and Augmented Reality (MIAR) at MICCAI, Nagoya, Japan
   Main Audience: Researcher
   Invited?: No, Keynote?: No

10. (2013). Augmented reality in the OR: A proof of concept. MNI Neurosurgery Fellow's Day, Montreal, Canada
    Main Audience: Knowledge User
    Invited?: No, Keynote?: No

11. (2012). A Comparison of Depth Enhancing Perceptual Cues for Vessel Visualization in Neurosurgery. Computer Assisted Radiology and Interventions (CARS), Pisa, Italy
    Main Audience: Researcher
    Invited?: No, Keynote?: No

12. (2010). DVV: Towards a Taxonomy for Mixed Reality Visualization in Image Guided Surgery. Workshop on Medical Imaging and Augmented Reality (MIAR) at MICCAI, Beijing, China
    Main Audience: Researcher
    Invited?: No, Keynote?: No

Text Interviews

2014/03/01   Augmented reality visualization in image-guided surgery, Alexander Gelfand, Biomedical
Computation Review
http://www.biomedicalcomputationreview.org/content/computation-surgical-suite-
navigating-brain
Description / Contribution Value: The article describes (among other topics) some of the
visualization work that I did as part of my PhD. My supervisor was interviewed and I spoke
to the interviewer about some of our visualization work and provided them with images.

Publications

Journal Articles

1.   S Drouin, A Kochanowska, M Kersten-Oertel, IJ Gerard, R Zelmann, D De Nigris, S Bériault, T Arbel, D
Sirhan, AF Sadikot, JA Hall, DS Sinclair, K Petrecca, RF DelMaestro, DL Collins. (2016). IBIS: An OR
ready Open Source platform for Image-Guided Neurosurgery. International Journal of Computer Assisted
Radiology and Surgery.
Revision Requested,
Refereed?: Yes, Open Access?: No

2.   IJ Gerard, M Kersten-Oertel, K Petrecca, D Sirhan, JA Hall, & DL Collins. (2016). Brain shift in
Neuronavigation of brain tumours: A review. Medical Image Analysis.
Revision Requested,
Refereed?: Yes, Open Access?: No

3.   M Kersten-Oertel, IJ Gerard, S Drouin, K Mok, D Sirhan, D Sinclair, DL Collins. (2015). Augmented reality
in neurovascular surgery: feasibility and first uses in the operating room. International Journal of Computer
Assisted Interventions. 10(11): 1823-1836.
First Listed Author
Published,
Refereed?: Yes

4.   M Kersten-Oertel, SJS Chen, DL Collins. (2014). An Evaluation of Depth Enhancing Perceptual Cues for
Vascular Volume Visualization in Neurosurgery. IEEE Trans Vis Comput Graph. 20(3): 391-403.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 3

Funding Sources:

5.   M Kersten-Oertel, P Jannin, DL Collins. (2013). The state of the art of visualization in mixed reality image
guided surgery. Computerized Medical Imaging and Graphics. 37(2): 98–112.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 3

6.   M Kersten-Oertel, P Jannin, and DL Collins. (2012). DVV: a taxonomy for mixed reality visualization in
image guided surgery. Visualization and Computer Graphics, IEEE Transactions on. 18(2): 332--352.
Published, IEEE,
Refereed?: Yes

7. W. Michalowski, M. Kersten, S. Wilk, and R. Slowinski. (2007). Designing man-machine interactions for mobile clinical systems: MET triage support using palm handhelds.European Journal of Operational Research. 177(3): 1409–1417.
    Published,
    Refereed?: Yes

8. M. Kersten, J. Stewart, N. Troje, and R. Ellis. (2006). Enhancing depth perception in translucent volumes. IEEE Transactions on Visualization and Computer Graphics. 12(5): 1117-1124.
    Published,
    Refereed?: Yes, Open Access?: No

Book Chapters

1. M Kersten-Oertel, P Jannin, DL Collins. (2015). Augmented Reality for Image-guided Surgery. Woodrow Barfield Bruce Thomas Tom Martin Mark Smith. Fundamentals of Wearable Computers and Augmented Reality. Second: 519-551.
    First Listed Author
    Published, Taylor & Francis Group, United States
    Refereed?: Yes
    Number of Contributors: 3
    Description / Contribution Value: The chapter describes the use of augmented reality visualization in image-guided surgery based on a taxonomy that I have developed with the co-authors. I am the first author of the book chapter.

Dissertations

1. Augmented Reality Visualization for Neurovascular Surgery. (2015). McGill University. Supervisor: D. Louis Collins

Working Papers

1. (Ian J. Gerard, Marta Kersten-Oertel, Kevin Petrecca, Denis Sirhan, Jeffery A. Hall, D. Louis Collins). (2015). Brain Shift in Neuronavigation of brain tumours: A Review.

Conference Publications

1. M Kersten-Oertel, A Alamer, V Fonov, BWY Lo, D Tampieri, DL Collins. (2016). Towards a Computed Collateral Circulation Score in Ischemic Stroke. MICCAI Workshop on Computing and Visualization for Intravascular Imaging and Computer Assisted Stenting (CVII-STENT), Athens, Greece,
    Conference Date: 2016/10
    Paper
    Accepted
    Refereed?: Yes, Invited?: No

2. IJ Gerard, C Couturier, M Kersten-Oertel, S Drouin, D De Nigris, JA Hall, K Mok, K Petrecca, T Arbel, DL Collins. (2016). Towards a Second Brain Images of Tumours For Evaluation (BITE2) Database. MICCAI's BrainLes Workshop, Athens, Greece,
    Conference Date: 2016/10
    Paper
    Accepted
    Refereed?: Yes, Invited?: No

3. Y Xiao, S Drouin, IJ Gerard, M Kersten-Oertel, V Fonov, B Aubert-Broche, Y Ma, D Tampieri, and DL Collins. (2016). Towards Augmented Reality Visualization for Interactive Atlas-guided Transcranial Doppler Ultrasound Examination. MICCAI Workshop on Computing and Visualization for Intravascular Imaging and Computer Assisted Stenting (CVII-STENT), Athens, Greece,
Conference Date: 2016/10
Paper
Accepted
Refereed?: Yes, Invited?: No

4. M Kersten-Oertel, IJ Gerard, S Drouin, K Petrecca, JA Hall, DL Collins. (2016). Towards Augmented Reality Guided Craniotomy Planning in Tumour Resections. Medical Imaging and Augmented Reality (MIAR), Switzerland,
Conference Date: 2016/8
Paper
First Listed Author
Accepted
Refereed?: Yes, Invited?: No

5. IJ Gerard, M Kersten-Oertel, A Kochanowska, JA Hall, DL Collins. (2016). The Validation Grid: A New Tool to Validate Multimodal Image Registration. Int J CARS. Computer Assisted Radiology and Surgery (CARS), Heidelberg, Germany (11(1):S1-S316),
Conference Date: 2016/6
Abstract
Accepted
Refereed?: Yes, Invited?: No

6. M Kersten-Oertel, IJ Gerard, S Drouin, K Petrecca, J Hall, DL Collins. (2016). Intraoperative Craniotomy Planning for Brain Tumour Surgery using Augmented Reality. Int J CARS. Computer Assisted Radiology and Surgery (CARS), Heidelberg, Germany (11(1):S1-S316),
Conference Date: 2016/6
Abstract
Co-Author
Accepted
Refereed?: Yes, Invited?: No

7. M Kersten-Oertel, IJ Gerard, S Drouin, K Mok, D Sirhan, DS Sinclair, DL Collins. (2015). Augmented Reality for Specific Neurovascular Tasks. LNCS 9365. Augmented Environments and Computer Assisted Interventions, Munich, Germany (92-103),
Conference Date: 2015/10
Paper
First Listed Author
Published
Refereed?: Yes, Invited?: No

8. IJ Gerard, M Kersten-Oertel, S Drouin, JA Hall, K Petreca, D De Nigris, T Arbel, DL Collins. (2015). Improving Patient Specific Neurosurgical Models with Intraoperative Ultraound and Augmented Reality Visualizations in a Neuronavigation Environment. Clinical Image-based Procedures, Munich, Germany (28-35),
Conference Date: 2015/10
Paper
Co-Author
In Press
Refereed?: Yes, Invited?: No

9. S Drouin, M Kersten-Oertel, DL Collins. (2015). Interaction-Based Registration Correction for Improved Augmented Reality Overlay in Neurosurgery. LNCS 9365. Augmented Environments for Computer-Assisted Interventions, Munich, Germany (21-29),
    Conference Date: 2015/10
    Paper
    Co-Author
    Published
    Refereed?: Yes, Invited?: No

10. M Kersten-Oertel, IJ Gerard, S Drouin, K Mok, K Petrecca, & DL Collins. (2015). Augmented Reality for Brain Tumour Resections. Int J CARS. Computer Assisted Radiology and Surgery, Barcelona, (S260),
    Conference Date: 2015/6
    Abstract
    First Listed Author
    Published
    Refereed?: Yes, Invited?: No

11. M Kersten-Oertel, IJ Gerard, S Drouin, K Mok, D Sirhan, D Sinclair, DL Collins. (2014). Augmented Reality in Neurovascular Surgery: First Experiences. LNCS. Augmented Environments and Computer Assisted Interventions Workshop, Boston, United States (80--89). Springer International Publishing,
    Conference Date: 2014/9
    Paper
    First Listed Author
    Published
    Refereed?: Yes, Invited?: No

12. M Kersten-Oertel, S Drouin, SJS Chen, DL Collins. (2013). Volume Visualization for Neurovascular Augmented Reality Surgery. LNCS. Medical Imaging and Augmented Reality/Augmented Reality Environments for Medical Imaging and Computer-Assisted Interventions Workshop, Nagoya, Japan (211--220). Springer Berlin Heidelberg,
    Conference Date: 2013/9
    Paper
    First Listed Author
    Published
    Refereed?: Yes, Invited?: No

13. M Kersten-Oertel, SJS Chen, DL Collins. (2012). A Comparison of Depth Enhancing Perceptual Cues for Vessel Visualization in Neurosurgery. Computer Assisted Radiology and Interventions (CARS), Pisa, Italy,
    Conference Date: 2012/6
    Abstract
    First Listed Author
    Published
    Refereed?: Yes, Invited?: No

14. M Kersten-Oertel, S Chen, S Drouin, D Sinclair, DL Collins. (2012). Augmented reality visualization for guidance in neurovascular surgery.Stud Health Technol Inform. Proceedings of Medicine Meets Virtual Reality (MMVR)., San Diego, United States (225--229),
    Conference Date: 2012/2
    Paper
    First Listed Author
    Published
    Refereed?: Yes, Invited?: No

15. SJS Chen, M Kersten-Oertel, S Drouin, and DL Collins. (2012). Visualizing the path of blood flow for image guided surgery of cerebral arteriovenous malformations. SPIE. SPIE Medical Imaging, San Diego, ,
Conference Date: 2012/2
Paper
Co-Author
Published
Refereed?: Yes, Invited?: No

16. S Drouin, M Kersten-Oertel, S Chen and DL Collins. (2011). A realistic test and development environment for mixed reality in neurosurgery. LNCS. Augmented Environments for Computer Assisted Interventions Workshop, Toronto, Canada (13-23). Springer,
Conference Date: 2011/10
Paper
Co-Author
Published
Refereed?: Yes, Invited?: No

17. M Kersten-Oertel, SJS Chen, DL Collins. (2011). Enhancing depth perception of volume-rendered angiography data. IEEE VIS (Visualization), Boston, United States,
Conference Date: 2011/10
Poster
First Listed Author
Published
Refereed?: Yes, Invited?: No

18. M Kersten-Oertel, P Jannin, DL Collins. (2010). DVV: Towards a Taxonomy for Mixed Reality Visualization in Image Guided Surgery. LNCS. Medical Imaging and Augmented Reality, Beijing, China,
Conference Date: 2010/9
Paper
First Listed Author
Published
Refereed?: Yes, Invited?: No