

Short CV**Personal details**

Name: Tamar (Tammy) Riklin Raviv

Office: Room 212, Building 33, Ben-Gurion campus, Beer-Sheva, Israel, 08-6428812

Email: rrtammy@ee.bgu.ac.il

URL: <http://www.ee.bgu.ac.il/~rrtammy/>

ORCID: <https://orcid.org/0000-0003-2532-5875>

Web of Science ResearcherID: A-3462-2013

Google Scholar: <https://scholar.google.com/citations?user=xt7uyAEAAAAAJ&hl=en>

Education

- B.Sc.** 1990-1993 The Hebrew University of Jerusalem, Physics
(Magna cum Laude)
- M.Sc.** 1997-1999 The Hebrew University of Jerusalem, Computer Science
(Magna cum Laude)
Thesis advisor: Amnon Shashua
Thesis title: *The Quotient Image: Class Based Re-rendering and Recognition with Varying Illuminations.*
- Ph.D.** 2002-2008 Tel Aviv University, The School of Electrical Engineering
Thesis advisers: Nahum Kiryati and Nir Sochen
Thesis title: *Prior-based Image Segmentation*

Academic positions

2025 -current	Professor	Ben-Gurion University of the Negev
Dec 2021 - 2025	Associate Professor	Faculty of Engineering
Dec 2014 - 2021	Senior Lecturer	School of Electrical and Computer Engineering
Dec 2012 - 2014	Lecturer	
2008-2012	Post-Doctorate Associate until Aug. 2010 Research affiliated until Nov. 2012	Massachusetts Institute of Technology (MIT) Electrical Engineering and Computer Science Department Computer Science and Artificial Intelligence Laboratory
2010-2012	Research Fellow	Harvard Medical School, Brigham & Women Hospital The Broad Institute of MIT and Harvard, Imaging Platform

Current Academic Activities**Ben-Gurion University**

Oct 2025 - Sep 2027	President's Advisor for Gender Equity, BGU
Oct 2025 - Sep 2026	University's Scientific Reputation Committee, BGU
January 2025 - current	Steering committee, Data Science Center, BGU
Sep 2024 - current	Industry and Public Relations, School of Brain Sciences and Cognition, BGU
Aug 2023 - current	Senior Year Project committee, School of Electrical and Computer Engineering
Aug 2022 - current	Appointments committee, School of Electrical and Computer Engineering
Aug 2018 - current	The joint program -CS & ECE, School of Electrical and Computer Engineering, BGU Diversity Committee, School of Electrical and Computer Engineering, BGU

International

2019-current	Associate Editor	IEEE Transactions on Medical Imaging (TMI) Journal (IEEE TMI IF is 8.9)
2026	Area Chair	Computer Vision and Pattern Recognition (CVPR), Denver, Colorado USA
2026	Co-organizer	CVPR workshop, Denver, Colorado USA Trustworthy, Robust, Uncertainty-Aware, and Explainable Visual Intelligence and Beyond (TRUE-V)
2026	Area Chair	European Conference on Computer Vision (ECCV), Malmo, Sweden
2026	Area Chair	Annual Conference on Neural Information Processing Systems (NeurIPs), Sydney, Australia
2015-current	Steering committee Yearly conference	Israel Machine Vision Conference (IMVC), Tel-Aviv

Current and Recent Courses

2021-2023	<i>Building a business plan</i> (elective, undergraduate level)	McGill & BGU
2017-current	<i>Introduction to Digital Image Processing</i> (mandatory, undergraduate level)	ECE, BGU
2016-current	<i>Deep learning and its applications to signal and image processing and analysis</i> (elective, graduate level)	ECE, BGU
2013 - current	<i>Magnetic Resonance Imaging</i> (elective, graduate level)	ECE, BGU

Research Grants

3/2015-2/2017	Principle Investigator, KAMIN program, Chief Scientist at the Israeli Ministry of Economy <i>A User Interactive System for Medical Image Segmentation</i> with PI Prof. I. Shelef (MD), average yearly budget: 390,225 NIS
8/2016- 2/2018	Principle Investigator, Medical Corps, Israeli Defense Force with Co-PIs Prof. Ilan Shelef (MD) and Prof. Alon Friedman (MD, PhD), <i>Mild Traumatic Brain Injuries (mTBI) Assessment using Diffusion Tensor Imaging (DTI) Asymmetry</i> budget: 100,000 NIS
10/2016-9/2019	Principle Investigator, Israeli Science Foundation (ISF) <i>Co-Segmentation of Brain MRI Ensembles Via Multidimensional Latent Atlases</i> yearly budget: 270,000 NIS
3/2017	Intel Electronics Ltd. equipment grant, 147,160 NIS
10/2017-9/2020	Principle Investigator, Ministry of Science and Technology (MOST) <i>Joint Cell Tracking and Segmentation in High-throughput Time-lapse Microscopy Imaging</i> Total budget for 36 months: 740,025 NIS.
4/2019	AWS Cloud Credits for research program (equivalent to 45,000 \$)
10/2019-9/2023	Principle Investigator, Israeli Science Foundation (ISF) <i>Brain MRI reconstruction and enhancement by generative neural networks</i> yearly budget: 260,000 NIS
7/2020	AWS Cloud Credits for research program (equivalent to 28,266 \$)
5/2020-4/2021	Principle Investigator with Prof. I. Shelef, Ministry of Science and Technology (MOST) <i>Using Deep Learning for Fast Covid-19 Detection and Disease Progress Prediction from Thoracic CT Scans</i> yearly budget: 288,200 NIS
10/2020-9/2023	Principle Investigator with Prof. Galit Lahav of Harvard Medical School United States - Israel Binational Science Foundation (BSF)

	<i>A Deep Learning Framework for Image Analysis of p53 Dynamics in 3D Cultures of Tumor Cells</i> 3 year budget: 240,000 USD (equivalent to 828,192 NIS).
2022-2023	Principle Investigator with CO-PI Prof. G. Avidan, Ministry of Health, Chief Scientist Office <i>Brain Age Prediction Via Deep Neural Networks as a Health Biomarker</i> yearly budget: 25,000 NIS
2024-2027	Principle Investigator, Ministry of Science and Technology (MOST) , AI grant <i>Conceptualizing Medical Imaging Analysis through Explainable Deep Models</i> 3-year budget: 499,962 NIS

Scientific Publications

Total number of citations according to google scholar (March, 2026) is: **12,525**

h-index according to google scholar is: 34

h10-index according to google scholar is: 52

Journals:

1. D. Duenias, B. Nichyporuk, T. Arbel, and **T. Riklin Raviv**. HyperFusion: A Hypernetwork Approach to Multimodal Integration of Tabular and Medical Imaging Data for Predictive Modeling. *Medical Image Analysis (MediA)*, Volume 210, 2025.
2. K. Lekadir, A.F. Frangi, and A. Porras, B. Glocker, C. Cintas, C.P. Langlotz, E. Weicken, F.W. Asselbergs, F. Prior, G.S. Collins et al. including **T. Riklin Raviv**. FUTURE-AI: International consensus guideline for trustworthy and deployable artificial intelligence in healthcare. *British Medical Journal (BMJ)*, Volume 388, 2025.
3. D. Pachter, A.Y. Meir, A. Kaplan, G. Tsaban, H. Zelicha, E. Rinott, G. Levakov, O. Finkelstein, I. Shelef, M. Salti, F. Beyer, V. Witte, N. Klötting, B. Isermann, U. Ceglarek, **T. Riklin Raviv**, M. Blüher, M. Stumvoll, D.D. Wang, F. B. Hu, M.J. Stampfer, G. Avidan, and I. Shai Serum Galectin-9 and Decorin in Relation to Brain Aging and the Green-Mediterranean Diet: A Secondary Analysis of the DIRECT PLUS Randomized Trial. *Clinical Nutrition*, 2025.
4. O. Finkelstein, G. Levakov, A. Kaplan, H. Zelicha, A. Yaskolka Meir, E. Rinott, G. Tsabanb, V. Wittee, M. Blüherf, M. Stumvollf, I. Shelef, I. Shai, **T. Riklin Raviv**, and G. Avidan. Deep Learning-Based BMI Inference from Structural Brain MRI Reflects Brain Alterations Following Lifestyle Intervention, *Human Brain Mapping (HBM)*, Volume 45, Issue 3, 2024
5. Q. Yang, G. Chen, Z. Yang, **T. Riklin Raviv**, Y. Gao, Fine hippocampal morphology analysis with a multi-dataset cross-sectional study on 2911 subjects. *NeuroImage Clinical*, Volume 43, 2024
6. M. Avi-Aharon, A. Arbelle and **T. Riklin Raviv**, Differentiable Histogram Loss Functions for Intensity-based Image-to-Image Translation, *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, Volume 45(10), pages 11642-11653, 2023.
7. M. Maska, V. Ulman, P. Delgado-Rodriguez, et al. including A. Arbelle, T. Ben-Hayim and **T. Riklin Raviv**, The Cell Tracking Challenge: 10 years of objective benchmarking. *Nature Methods*, Pages 1-11, 2023.
8. Q. Yang, S. Cai, G. Chen, X. Yu, R.F. Cattell, **T. Riklin Raviv**, C. Huang, N. Zhang. Gao, Fine scale hippocampus morphology variation cross 552 healthy subjects from age 20 to 80. *Frontiers in Neuroscience*, Vol. 17, 2023
9. A. Arbelle, S. Cohen and **T. Riklin Raviv**, Dual-Task ConvLSTM-UNet for Instance Segmentation of Weakly Annotated Microscopy Videos, *IEEE Transactions on Medical Imaging (TMI)*, Volume 41, Issue 8, Pages 1948-1960, 2022.

10. S. Gordon, B. Kodner, T. Goldfryd, M. Sidorov, J. Goldberger and **T. Riklin Raviv**, An Atlas of Classifiers - A Machine Learning Paradigm for Brain MRI Segmentation, *Medical & Biological Engineering & Computing*, Volume 59, pages 1833-1849, 2021.
11. Y. Ziv, J. Goldberger and **T. Riklin Raviv** , Stochastic Weight Pruning and the Role of Regularization in Shaping Network Structure, *Neurocomputing*, Volume 462, Pages 555-567, Publisher Elsevier, 2021.
12. R. Shaul, I. David, O. Shitrit, **T. Riklin Raviv**, Subsampled Brain MRI Reconstruction by Generative Adversarial Neural Networks, *Medical Image Analysis*, Volume 65, 2020.
13. G. Levakov, G. Rosenthal, I. Shelef, **T. Riklin Raviv** and G. Avidan, From a deep learning model back to the brain - identifying regional predictors and their relation to aging, *Human Brain Mapping*, Volume 41, 3235–3252, 2020.
14. R. Veksler, U. Vazana, Y. Serlin, O. Prager, J. Ofer, N. Shemen, A. M. Fisher, O. Minaeva, N. Hua, R. Saar-Ashkenazy, I. Benou, **T. Riklin-Raviv**, E. Parker, G. Mumby, L. Kamintsky, S. Beyea, C. V. Bowen, I. Shelef, E. O’Keefe, M. Campbell, D. Kaufer, L. E. Goldstein and A. Friedman, Slow blood-to-brain transport underlies enduring barrier dysfunction in American football players, *Brain*, Volume 143, Issue 6, June 2020, Pages 1826–1842, 2020.
15. J. Levitt, P. J. Nestor, M. Kubicki, A.E. Lyall, F. Zhang, **T. Riklin-Raviv**, L.J. O’Donnell, R.W. McCarley, M.E. Shenton and Y. Rathi, Miswiring of Frontostriatal Projections in Schizophrenia, *Schizophrenia Bulletin*, Volume 46, Issue 4, 990-998 January, 2020.
16. T. Gilad, J. Reyes, J.-Y. Chen, G. Lahav and **T. Riklin Raviv**, Fully Unsupervised Symmetry-Based Mitosis Detection in Time-Lapse Cell Microscopy *Bioinformatics*, Volume 35, Issue 15, 2644-2653, August 2019
17. I. Benou, R. Veksler, A. Freidman and **T. Riklin Raviv**, Combining White Matter Diffusion and Geometry for Tract-Specific Alignment and Variability Analysis, *Neuroimage*, Volume 200, pages 674–689, October 2019.
18. S. Gordon, I. Dolgopyat, I. Kahn and **T. Riklin Raviv**, Multidimensional Co-segmentation of Longitudinal Brain MRI Ensembles in the Presence of a Neurodegenerative Process, *Neuroimage*, Vol. 178, 346–369, 2018.
19. A. Arbelle, J. Reyes, J.-Y. Chen, G. Lahav and **T. Riklin Raviv**, A Probabilistic Approach for Joint Cell Tracking and Segmentation in High-Throughput Microscopy Videos, *Medical Image Analysis*, Vol. 47, 140–152, 2018.
20. A. Benou, R. Veksler, A. Freidman and **T. Riklin Raviv**, Ensemble of Expert Deep Neural Networks for Spatio-Temporal Denoising of Contrast-Enhanced MRI Sequences, *Medical Image Analysis*, Vol. 42, pp. 145-159, 2017.
21. T. Hershkovich, T. Shalmon, O. Shitrit, N. Halay, B. Menze, I. Dolgopyat, I. Kahn, I. Shelef and **T. Riklin Raviv**, A probabilistic model for 3D interactive segmentation, *Computer Vision and Image Understanding (CVIU), Special Issue on Probabilistic Models for Biomedical Image Analysis*, Vol. 151, pp. 47–60, 2016.
22. B. Menze, K. Van Leemput, D. Lashkari, **T. Riklin-Raviv**, E. Geremia, E. Albert, et al., A generative probabilistic model and discriminative extensions for brain lesion segmentation – with application to tumor and stroke, *IEEE Transactions on Medical Imaging (TMI)*, Vol 35(4), pp 933-946, 2016.
23. B. Menze, A. Jakaby, S. Bauery, J. Kalpathy-Cramery, K. Farahaniy, J. Kirby, et al., including **T. Riklin Raviv**, The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS), *IEEE Transactions on Medical Imaging (TMI)*, 34 (10), pp. 1993 - 2024, Oct. 2015.

24. **T. Riklin Raviv**, Y. Gao, J. Levitt and S. Bouix. Statistical Shape Analysis of Neuroanatomical Structures via Level-set based Shape Morphing, *SIAM Journal of Imaging Sciences*, 7(3), pp. 1645–1668, 2014.
25. Y. Gao, **T. Riklin Raviv** and S. Bouix. Shape Analysis, A Field in Need of Careful Validation, *Human Brain Mapping*. Vol. 35 (10), pp. 4965-4978, 2014
26. E. Dittrich, **T. Riklin Raviv**, G. Kasprian, R. Donner, P. Brugger, D. Prayer and G. Langs. Semi-Supervised Learning of Fetal Brain Segmentations and a Spatio-Temporal Latent Atlas, *Medical Image Analysis*, 18(1), pp 9–21, January 2014.
27. C. Wählby, L. Kametsky, Z.H. Liu, **T. Riklin Raviv**, A.L. Conery, K.L. O’Rourke, E.J. Sokolnicki, O. Visvikis, V. Ljosa, J.E. Irazoqui, P. Golland, G. Ruvkun, F.M. Ausubel and A.E. Carpenter. An image analysis toolbox for high-throughput c. elegans assays. *Nature Methods*, Vol. 9 pp 627 – 763, July 2012.
28. **T. Riklin Raviv**, K. Van Leemput, B.H. Menze, W.M. Wells and P. Golland. Segmentation of image ensembles via latent atlases. *Medical Image Analysis*, 14(5):654–665, 2010.
29. **T. Riklin Raviv**, N. Sochen and N. Kiryati. On symmetry, perspectivity, and level-set-based segmentation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 31(8):1458–1471, 2009.
30. **T. Riklin Raviv**, N. Sochen and N. Kiryati. Shape-based mutual segmentation. *International Journal of Computer Vision*, 79:231–245, 2008.
31. **T. Riklin Raviv**, N. Kiryat, and N. Sochen. Prior-based segmentation and shape registration in the presence of projective distortion. *International Journal of Computer Vision*, 72(3):309–328, May 2007.
32. A. Shashua and **T. Riklin Raviv** The quotient image: Class-based re-rendering and recognition with varying illuminations. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 23(2):129–139, 2001.

Peer Reviewed Conference Proceedings

33. T. Mendelson, J.J. Francois, G. Lahav and **T. Riklin Raviv**, Boundary-aware Instance Segmentation in Microscopy Imaging, In *IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI)*, April 2026, Accepted.
34. S. Karmi, G. Avidan and **T. Riklin Raviv**, Decoding Functional Networks for Visual Categories via GNNs, In *IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI)*, April 2026, Accepted.
35. Y. Elkin, and G. Ben-Arie and **T. Riklin Raviv**, Deep Image Decomposition for Medical Imaging Anonymization and Curation, In *The IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)*, Accepted, March 2026.
36. I. Benou, I. Waizman, Y. Guskov and **T. Riklin Raviv**, TractoTransformer: Diffusion MRI Streamline Tractography using CNN and Transformer Network. In *Annual Conference on Neural Information Processing Systems (NeurIPS)*, Accepted, December 2025.
37. I. Benou and **T. Riklin Raviv**, Show and Tell: Visually Explainable Deep Neural Nets via Spatially-Aware Concept Bottleneck Models, *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, pages 30063-30072, June 2025.
38. D. Serebro and **T. Riklin Raviv**, HyDA: Hypernetworks for Test Time Domain Adaptation in Medical Imaging Analysis, In *Medical Image Computing and Computer-Assisted Intervention (MICCAI)*, pages 251-261, September 2025.
39. O. Shwartzman, H. Gazit , G. Ben-Arie , I. Shelef , **T. Riklin Raviv**, The Worrisome Impact of an Inter-rater Bias on Neural Network Training. *International Conference on Medical Imaging and Computer-Aided Diagnosis (MICAD)*, pages 463-473, November 2024.

40. I. Buchnik , O. Berebi , **T. Riklin-Raviv** and N. Shlezinger , Generating Artistic Images Via FewShot Style Transfer. In *IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops (ICASSPW)*, pages 1-5, June 2023.
41. T. Ben-Hayim and **T. Riklin-Raviv** , Graph Neural Network for Cell Tracking in Microscopy Videos, *European Conference on Computer Vision (ECCV)*, Part XXI, Pages 610-626, October 2022.
42. T. Ben-Hayim , R.M. Sofer , I. Shelef , Gal Ben-Aryeh and **T. Riklin-Raviv** , A Deep Ensemble Learning Approach to Lung CT Segmentation for COVID-19 Severity Assessment, *IEEE International Conference on Image Processing (ICIP)*, Pages 151-155, October 2022.
43. T. Goldfryd, S. Gordon and **T. Riklin-Raviv**, Deep Semi-Supervised Bias Field Correction of MR Images, *IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI)*, Accepted, April 2021.
44. I. Benou and **T. Riklin-Raviv**, DeepTract: A Probabilistic Deep Learning Framework for White Matter Fiber Tractography, In *Medical Image Computing and Computer-Assisted Intervention (MICCAI)* pages 626–635, October 2019.
45. A. Arbelle and **T. Riklin Raviv**, Microscopy Cell Segmentation via Convolutional LSTM Networks *IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI)*, pages 1008–1012, April 2019.
46. O. Gorodissky, A. Sharon, A. Danov, A. Friedman, and **T. Riklin Raviv**, Symmetry-based Analysis of Diffusion MRI for the Detection of Brain impairments, *IEEE International Conference on Image Processing (ICIP)*, pages 376–379, October 2018.
47. H. Ben-Hamu Goldberg, J. Mushkin, N. Sochen and **T. Riklin Raviv**, Sampling Technique for Defining Segmentation Error Margins with Application to Structural Brain MRI, *IEEE International Conference on Image Processing (ICIP)*, pages 734–738, October 2018.
48. A. Arbelle and **T. Riklin Raviv**, Microscopy Cell Segmentation via Adversarial Neural Networks *IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI)*, pages 645-648, April 2018.
49. T. Hershkovich and **T. Riklin Raviv**, Model-dependent Uncertainty Estimation of Medical Image Segmentation, *IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI)*, pages 1373-1376, April 2018.
50. B. Kodner, S.H. Gordon, J. Goldberger and **T. Riklin Raviv**, Atlas of Classifiers for Brain MRI Segmentation, *International workshop on Machine Learning in Medical Imaging (MLMI)*, pages 36-44, September 2017.
51. O. Shitrit and **T. Riklin Raviv**, Accelerated Magnetic Resonance Imaging by Adversarial Neural Network, *MICCAI workshop on Deep Learning in Medical Image Analysis (DLMIA)*, pages 30–38, September 2017.
52. I. Benou, R. Veksler, A. Friedman and **T. Riklin Raviv**, Fiber-Flux Diffusion Density for White Matter Tracts Analysis: Application to Mild Anomalies Localization in Contact Sports Players, *MICCAI Workshop on Computational Diffusion MRI*, pages 191–202, September 2017.
53. **T. Riklin Raviv**, Multinomial Level-Set Framework for Multi-Region Image Segmentation, In *6th Conference on Scale Space and Variational Methods in Computer Vision (SSVM)*, pages 386-395, June 2017
54. A. Benou, R. Veksler, A. Friedman and **T. Riklin Raviv**, De-noising of Contrast-Enhanced MRI Sequences by an Ensemble of Expert Deep Neural Networks, In *MICCAI workshop on Deep Learning in Medical Image Analysis (DLMIA)*, pages 95-110, Springer International publishing, October 2016.

55. S. Gordon, I. Dolgopyat, I. Kahn and **T. Riklin Raviv**, Co-segmentation of Multiple Images into Multiple Regions: Application to Mouse Brain MRI, In *IEEE International Symposium on Biomedical Imaging: From Nano to Macro* (ISBI), pages 399–402, April 2016.
56. A. Arbelle, N. Drayman, M. Bray, U. Alon, A. Carpenter, **T. Riklin Raviv** Analysis of High-throughput Microscopy Videos: Catching Up with Cell Dynamics, In *Medical Image Computing and Computer-Assisted Intervention* (MICCAI), pages 218–225, October 2015.
57. T. Gilad, M. A. Bray, A. E. Carpenter and **T. Riklin Raviv**, Symmetry based mitosis detection in time-lapse microscopy, In *IEEE International Symposium on Biomedical Imaging: From Nano to Macro* (ISBI), pages 164–167, April 2015.
58. O. Shitrit, T. Hershkovitch, T. Shalmon, I. Shelef and **T. Riklin Raviv**, Probabilistic Model for 3D Interactive Segmentation, In *MICCAI workshop on Interactive Medical Image Computing (IMIC)*, September 2014.
59. **T. Riklin Raviv**, Y. Gao, J. Levitt and S. Bouix. Statistical shape analysis for population studies via level-set based shape morphing, In *ECCV workshop on Non-Rigid Shape Analysis and Deformable Image Alignment (NORDIA)*, Lecture Notes in Computer Science, Volume 7583, pages 42–51, October 2012.
60. **T. Riklin Raviv**, K. Van Leemput and B. Menze. Multi-modal brain tumor segmentation via latent atlases, *MICCAI challenge on Multimodal Brain Tumor Segmentation*, pages 64–73, 2012.
61. E. Dittich, **T. Riklin Raviv**, G. Kasprian, P. Brugger, D. Prayer and G. Langs. Learning a spatio-temporal latent atlas for fetal brain segmentation. In *MICCAI workshop: Image Analysis of Human Brain Development*, September 2011.
62. C. Wählby, **T. Riklin-Raviv**, V. Ljosa, A.L. Conery, P. Golland, F.M. Ausubel and A.E. Carpenter. Resolving clustered worms via probabilistic shape model. In *IEEE International Symposium on Biomedical Imaging: From Nano to Macro* (ISBI), April 2010. Oral presentation.
63. **T. Riklin-Raviv**, V. Ljosa, A.L. Conery, F.M. Ausubel, A.E. Carpenter, P. Golland, and C. Wählby. Morphology-guided graph search for untangling objects: *C. elegans* analysis. In *Medical Image Computing and Computer-Assisted Intervention* (MICCAI), pages 634–641, September 2010.
64. **T. Riklin Raviv**, K. Van Leemput, W.M. Wells and P. Golland. Joint segmentation of image ensembles via latent atlases. In *Medical Image Computing and Computer-Assisted Intervention* (MICCAI), pages 272–280, 2009.
65. **T. Riklin Raviv**, B.H. Menze, K. Van Leemput, B. Stieltjes, N. Weber, M.A. Ayache, W.M. Wells and P. Golland. Joint segmentation via patient-specific latent anatomy model. In *Proc. of MICCAI Workshop on Probabilistic Models for Medical Image Analysis*, 2009.
66. N. Ben-Zadok, **T. Riklin-Raviv**, and N. Kiryati. Interactive level set segmentation for image-guided therapy. In *IEEE International Symposium on Biomedical Imaging: From Nano to Macro* (ISBI), 2009.
67. N. Kiryati, **T. Riklin Raviv**, Y. Ivanchenko and S. Rochel. Real-time abnormal motion detection in surveillance video. In *Proceedings of the International Conference on Pattern Recognition (ICPR)* , pages 1–4, December 2008.
68. **T. Riklin-Raviv**, N. Sochen, N. Kiryati, N. Ben-Zadok, S. Gefen, L. Bertrand and J. Nissanov. Propagating distributions for segmentation of brain atlas. In *IEEE International Symposium on Biomedical Imaging: From Nano to Macro* (ISBI) , pages 1304–1307, 2007.
69. **T. Riklin-Raviv**, N. Sochen and N. Kiryati. Mutual segmentation with level-sets. In *IEEE Computer Society CVPR Workshop on Perceptual Organisation in Computer Vision*, 2006.
70. **T. Riklin-Raviv**, N. Kiryati and N. Sochen. Segmentation by level sets and symmetry. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, pages 1015–1022, 2006.

71. **T. Riklin-Raviv**, N. Kiryati and N. Sochen. Prior-based segmentation by projective registration and level-sets. In *Proceedings of the International Conference on Computer Vision (ICCV)*, pages 204–211, 2005.
72. **T. Riklin-Raviv**, N. Kiryati, and N. Sochen. Unlevel-sets: Geometry and prior-based segmentation. In *Proceedings of the European Conference on Computer Vision*, volume 4 (ECCV), pages 50–61, 2004.
73. **T. Riklin-Raviv** and A. Shashua. The quotient image: Class based recognition and synthesis under varying illumination conditions. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, pages 566–571, 1999.

Short Papers and Abstracts

74. J. Levitt, Y. Rathi , **T. Riklin Raviv**, P. G. Nestor, L. Levin, R. McCarley and M.E. Shenton Frontostriatal dysconnectivity in Schizophrenia, In *Schizophrenia bulletin* 41, pages 263, 2015.
75. J. Levitt, Y. Rathi , **T. Riklin Raviv**, R. McCarley and M.E. Shenton Connectivity-based Parcellation of the Striatum in Schizophrenia Using Diffusion Weighted Imaging (DWI), In *Neuropsychopharmacology* 39, 221-222, 2014
76. J. Levitt, Y. Rathi, **T. Riklin Raviv**, R.W. McCarley and M.E. Shenton, DTI Connectivity-Based Parcellation of the Striatum in Schizophrenia, In *Biological Psychiatry*, 75(9), P. 375, May 2014.
77. **T. Riklin Raviv**, Y. Gao, and S. Bouix, Statistical shape analysis with modified Hausdorff distance, in *IEEE Engineering in Medicine and Biology Society (EMBS)*, 2012.