

Publications

This thesis is based on:

- Ch. 2 R. Stokking, K. L. Vincken, and M. A. Viergever, "Automatic segmentation of the brain from MRI-T1 data", submitted.
- Ch. 3 M. A. Viergever, J. B. A. Maintz and R. Stokking, "Integration of functional and anatomical brain images", *Biophysical Chemistry*, in press.
- and
- R. Stokking, K. J. Zuiderveld, H. E. Hulshoff Pol, and M. A. Viergever, "Integrated visualization of SPECT and MR images for frontal lobe damaged regions" In: *Visualization in Biomedical Computing 1994* (ed. R. A. Robb). SPIE Press Bellingham WA, vol. 2359 Proc. SPIE, pp. 282–290, 1994
- Ch. 4 R. Stokking, K. J. Zuiderveld, H. E. Hulshoff Pol, P. P. van Rijk, and M. A. Viergever, "Normal Fusion for 3D integrated visualization of SPECT and MR brain images", *Journal of Nuclear Medicine*, vol. 38(4), pp. 624–629, 1997.
- Ch. 5 R. Stokking, K. J. Zuiderveld, and M. A. Viergever, "Color encoded integrated volume visualization of functional image data and anatomical surfaces", submitted.
- Ch. 6 R. Stokking, J. W. van Isselt, P. P. van Rijk, J. M. H. de Klerk, A. W. L. C. Huiskes, I. J. R. Mertens, E. Buskens, and M. A. Viergever, "Integrated visualization of functional and anatomical brain data: A validation study", submitted.

Other journal publications

- M. A. Viergever and P. A. van den Elsen and R. Stokking, "Integrated presentation of multimodal brain images", *Brain Topography*, vol. 5(2), pp. 135–145, 1992.
- M. S. van Leeuwen, M. A. Fernandez, H. W. van Es, R. Stokking, E. H. Dillon, and M. A. Feldberg, "Variations in venous and segmental anatomy of the liver: Two- and three-dimensional MR imaging in healthy volunteers" *American Journal of Roentgenology*, vol. 162, pp. 1337–1345, 1994.

- K. J. Zuiderveld, A. H. J. Koning, R. Stokking, J. B. A. Maintz, F. J. R. Appelmann, and M. A. Viergever, "Multimodality visualization of medical volume data — Our techniques, applications, and experiences", *Computer and Graphics*, vol. 20(6), pp. 775–791, 1996.
- R. Balm, R. Stokking, R. Kaatee, J. D. Blankensteijn, B. C. Eikelboom, and M. A. van Leeuwen, "Computed Tomographic Angiographic imaging of abdominal aortic aneurysms: Implications for Transfemoral Endovascular Aneurysm Management", *Journal of Vascular Surgery*, vol. 26(2), pp. 231–237, 1997.

Other full papers in conference proceedings

- R. Stokking, H. G. van Meurs, M. S. van Leeuwen, H. W. van Es, and M. A. Viergever, "A protocol for analysis and visualization of MRI liver data" In: *Computer Assisted Radiology '93* (eds. H. U. Lemke and K. Inamura and C. C. Jaffe and R. Felix). Springer-Verlag Berlin, pp. 420–425, 1993.
- K. J. Zuiderveld and R. Stokking, and M. A. Viergever, "Integrated visualization of quantitative information with anatomical surfaces" In: *Computer Assisted Radiology '95* (eds. H. U. Lemke and K. Inamura and C. C. Jaffe and M. W. Vannier). Springer-Verlag Berlin, pp. 195–200, 1995.
- M. A. Viergever, J. B. A. Maintz, R. Stokking, P. A. van den Elsen, and K. J. Zuiderveld, "Matching and integrated display of brain images from multiple modalities" In: *Medical Imaging: Image Processing* (ed. M. H. Loew). SPIE Press Bellingham, WA, vol. 2434 Proc. SPIE, pp. 2–13, 1995.

Published abstracts

- M. S. van Leeuwen, R. Stokking, H. G. van Meurs, H. W. van Es, E. H. Dillon, M. A. Feldberg, "Liver anatomy: Protocol for 3D evaluation", *RSNA Scientific Proceedings*, exhibit 09-002, p. 379, 1992
- H. E. Hulshoff Pol, R. Hijman, P. Meyer, C. A. F. Tulleken, L. M. P. Ramos, M. A. Viergever, R. Stokking, and J. M. van Ree, "Verbal and visual memory processing in the frontal lobe: A longitudinal follow-up study in patients with frontal lobe damage", *European Journal of Neuroscience*, suppl. 8, 1995.

