

List of publications, Marko Vauhkonen, 26.8.2024

A1. Scientific papers in peer reviewed journals

1. J.P. Kaipio, J. Tervo, and M. Vauhkonen, Simulations of the heterogeneity of environments by finite element method, *Math Comput Simul*, vol. 39, pp. 155-172, 1995.
2. T. Savolainen, J.P. Kaipio, M. Vauhkonen, and P.A. Karjalainen, An EIT measurement system for experimental use, *Rev Sci Instr*, vol. 67, pp. 3605 -3609, 1996.
3. M. Vauhkonen, J.P. Kaipio, E. Somersalo, and P.A. Karjalainen, Electrical impedance tomography with basis constraints, *Inv Probl*, vol. 13, pp. 523 - 530, 1997.
4. V. Kolehmainen, M. Vauhkonen, P.A. Karjalainen, and J.P. Kaipio, Assessment of errors in static electrical impedance tomography with adjacent and trigonometric current patterns, *Physiol Meas*, vol. 18, pp. 289 -303, 1997.
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6. M. Vauhkonen, D. Vadasz, P.A. Karjalainen, E. Somersalo, and J.P. Kaipio, Tikhonov regularization and prior information in electrical impedance tomography, *IEEE Trans Med Imaging*, vol. 17, pp. 285 -293, 1998.
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11. P.J. Vauhkonen, M. Vauhkonen, T. Savolainen, and J.P. Kaipio, Three-dimensional electrical impedance tomography based on the complete electrode model, *IEEE Trans Biomed Eng*, vol. 46, pp. 1150 -1160, 1999.
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13. J. Tervo, P. Kolmonen, M. Vauhkonen, L.M. Heikkinen, and J.P. Kaipio, A finite-element model of electron transport in radiation therapy and a related inverse problem, *Inv Probl*, vol. 15, pp. 1345 -1361, 1999.
14. P.A. Karjalainen, J.P. Kaipio, A.S. Koistinen, and M. Vauhkonen, Subspace regularization method for the single trial estimation of evoked potentials, *IEEE Trans Biomed Eng*, vol. 46, no. 7, pp. 849 -860, July 1999.
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I. Audiovisual material

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