

Dr. Ing. Johannes Erhardt

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Academic Career and Professional Experience

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|------------------|---|
| 07.2020- current | R&D Engineer for MRI Safety of Cochlear Implants at Med-El, Innsbruck, Austria |
| 01.2020- 04.2020 | Postdoctoral Fellow at Albert-Ludwigs Universität Freiburg
Prof. Stieglitz Chair for Biomedical Microtechnology |
| 05.2014-08.2019 | PhD Thesis: „Heating Characterization and Contact Localization of Miniaturized Implantable Planar Electrodes in MRI” at Albert-Ludwigs Universität Freiburg, Prof. Stieglitz Chair for Biomedical Microtechnology |
| 10.2018-12.2018 | Visiting Graduate Researcher, UCLA, USA, Ennis Lab for Radiology |
| 10.2007-11.2013 | BSc + MSc: Microsystems Engineering, Albert-Ludwigs-Universität Freiburg |

JOURNAL PUBLICATIONS

J. B. Erhardt & E. Fuhrer, O.G. Gruschke, J. Leupold, M. C. Wapler, J. Hennig, J.G. Korvink & T. Stieglitz, “Should patients with brain implants undergo MRI?”, *Journal of Neural Engineering* (2018)

J. B. Erhardt & T. Lottner, J. Martinez, A.c. Özen, M. Schüttler, T. Stieglitz, D.B. Ennis & M. Bock “It’s the little things: On the Complexity of Planar Electrode Heating in MRI”, *NeuroImage* (2019)

J. B. Erhardt, T. Lottner, C. F. Pasluosta, I. Gessner, S. Mathur, M. Schuettler, M. Bock, Thomas Stieglitz „Fabrication and validation of reference structures for the localization of subdural standard-and micro-electrodes in MRI”, *Journal of Neural Engineering* (2020)