

Prof. Dr. rer. nat. Carsten H. Wolters: Publications

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78. Wolters, C.H., Keynote speaker at the 19th IEEE International Conference on Bioinformatics and Bioengineering (BIBE2019), Athens, Greece, October 28-30, 2019.
Keynote speakers, BIBE2019

77. Wolters, C.H., Complementarity of EEG and MEG and How to Exploit It in Source Analysis, SuSIE - Summer School on Imaging in Epilepsy, Epilepsy Surgery and Epilepsy Research, Bochum, Aug.25 (2019).
Web
76. Wolters, C.H., Reconstruction and manipulation of neuronal networks in the human brain, International summer school of SFB1261, Kiel University, Aug.19-21 (2019).
Web, Flyer.
75. Wolters, C.H., Reconstruction and manipulation of neuronal networks in the human brain, Department of Applied Physics, University of Eastern Finland, Finland, Aug.1 (2019). Organizers: Pasi Karjalainen, Petro Julkunen.
74. Wolters, C.H., Electrical Field Modelling, Antal, Andrea (organizer), 16th Practical Course in "Transcranial magnetic and electrical stimulation" within the framework of the training program of the German Neuroscience Society (NWG), University of Göttingen, Göttingen, Germany, Feb.12-14 (2019).
Web1, Web2
73. Wolters, C.H., Pharyngeale Elektro-Stimulation im Labor, Neujahrsempfang des UKM und der Medizinischen Fakultät der Universität Münster, Kollaborationsbeitrag zum Hauptvortrag von Rainer Dziewas (Paper-of-the-year der Med.Fak. 2018) Münster, 24.Jan. (2019).
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72. Wolters, C.H., Talks about
"Overview: Modeling the human head-the forward problem",
"Forward problem: The finite element method.",
"Demo: Accurate Forward and Inverse Modeling with SIMBIO and DUNEuro",
"Beamformer methods",
"Studying and researching in Germany-opportunities and funding for foreign students",
"German history in the european context",
8th International Summer School in Biomedical Engineering, Oct.1-12, 2018, Chengdu, China.
Web, Schedule1, Schedule2.
71. Wolters, C.H., "Functional imaging of FCDs and non-lesional focal epilepsies", 1st Münster Symposium on Seizures and Epilepsy, Sept.27-28, 2018, Münster, Germany.
Web1, Web2.
70. Wolters, C.H., "New methods for combined EEG/MEG source analysis and a connectivity study in a multi-focal epilepsy patient", 21th Int.Conf.on Biomagnetism (Biomag2018), Aug.26-30, 2018, Philadelphia, USA.
Web.

69. Wolters, C.H., Impulse lecture about "Reconstruction and manipulation of neuronal networks in the human brain", STIPED General Assembly Meeting, Coimbra/Portugal, April 15-18, 2018.
Web
68. Wolters, C.H., Reconstruction and manipulation of neuronal networks in the human brain, Pursiainen, Sampsa (organizer), "Tampere Easter Workshop on Biomedical Imaging and Bioelectromagnetism", Tampere University of Technology, Tampere, Finland, March 27 (2018).
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67. Wolters, C.H., Electrical Field Modelling, Antal, Andrea (organizer), 15th Practical Course in "Transcranial magnetic and electrical stimulation" within the framework of the training program of the German Neuroscience Society (NWG), University of Göttingen, Göttingen, Germany, Feb.19 (2018).
Web
66. Wolters, C.H., Mathematische Methoden in der Hirnforschung F. Käpnick, V.Körkel (hosts), Im Rahmen von "Mathe für kleine Asse: Fachexkursion für die Projektgruppen Klasse 6-8", Institut für Didaktik der Mathematik und Informatik, Uni Münster, 7.Feb (2018).
Kooperation mit Mathe-Didaktik
65. Wolters, C.H., EEG und MEG in der Epilepsie-Diagnose, Kellinghaus, C. (organizer), Symposium "7.Osnabrücker EEG-Tag", Osnabrück, Germany, Nov.11 (2017).
Program Web
64. Wolters, C.H., Effektive Konnektivitätsanalyse kombinierter epileptischer MEG/EEG Ereignisse in multifokalem Netzwerk, Beniczky, S. & Stefan, H. (organizers), Symposium "Forschungsansätze und klinische Anwendungen zur Verbesserung der Diagnostik und Therapiesteuerung", Jahrestagung der Deutschen und Österreichischen Gesellschaften für Epileptologie und der Schweizerischen Epilepsie-Liga (DGfE2017), Wien, Austria, May 3-6 (2017).
Program Web
63. Wellmer, J., Kowoll, A., Machado Lemos Rodrigues, M., von Lehe, M., Parpaley, Y., Hans, V., Wolters, C.H., Kugel, H., Optimierung der Darstellung fokaler kortikaler Dysplasien durch 3 Tesla ZOOMit-MRT, Edda Haberlandt (organizer), Symposium "Freie Vorträge I - Funktionelle Bildgebung / Klinische Neurophysiologie und EEG", Jahrestagung der Deutschen und Österreichischen Gesellschaften für Epileptologie und der Schweizerischen Epilepsie-Liga (DGfE2017), Wien, Austria, May 3-6 (2017).
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62. Wolters, C.H., Neue Methoden zur Elektrodenoptimierung bei hochaufgelöster transkranieller Stromstimulation (hd-tDCS), Moliadze, V. & Wolters, C.H. (organizers), Symposium "Besonderheiten transkranieller Hirnstimulation bei Kindern und Jugendlichen", Deutsche Gesellschaft für Klinische Neurophysiologie (DGKN2017), Leipzig, Germany, April 27-29 (2017).
Program Web
61. Wolters, C.H., Electrical Field Modelling, Antal, Andrea (organizer), 14th Practical Course in "Transcranial magnetic and electrical stimulation" within the framework of the training program of the German Neuroscience Society (NWG), University of Göttingen, Göttingen, Germany, Feb.21 (2017).
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60. Wolters, C.H., Combined EEG/MEG/MRI analysis for improving presurgical epilepsy diagnosis and new methods for forward and inverse problem in source analysis, Kaipio, Jari (organizer), University of Auckland, Auckland, New Zealand, Oct.12 (2016).
59. Wolters, C.H., Reconstructing and manipulating neuronal networks in the human brain, Kaipio, Jari (organizer), Seminar on Applied Mathematics, University of Auckland, Auckland, New Zealand, Oct.11 (2016).
58. Wolters, C.H., New methods for electrode optimization in high-definition transcranial current stimulation, W. Paulus & A. Antal (organizers), 6th International Conference on Transcranial Brain Stimulation 2016, Göttingen, Germany, Sept.7-10 (2016).
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57. Wolters, C.H., State of the Art Combined EEG/MEG Source Analysis for Successful Presurgical Epilepsy Diagnosis, In symposium "MS84 – State of the Art Computational Methodologies for Mathematical Models of Human Brain Electrophysiology, Hemodynamics and Metabolism - Part I of II", L.G. Giorda & D. Calvetti & E. Somersalo (organizers), SIAM Life Sciences Conference, Boston, USA, July 14 (2016).
Web1 Web2 Web3
56. Wolters, C.H., Combining EEG, MEG and MRI in presurgical epilepsy diagnosis, F. Wallois (host), GRAMFC INSERM U1105, Amiens, France, June 23 (2016).
Web
55. Wolters, C.H., A new strategy for connectivity analysis in multifocal epileptic network using combined EEG/MEG source analysis, multimodal MRI and thermoablation as surgical procedure, 60. Jahrestagung der Deutschen Gesellschaft für Klinische Neurophysiologie und Funktionelle Bildgebung (DGKN2016), Düsseldorf, Germany, March 16-19 (2016).
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54. Wolters, C.H., Konnektivitätsanalyse in multifokalem epileptischem Netzwerk mit kombinierter EEG/MEG Analyse und zoomed MRT zur Thermoablation, Stefan H.& Brandl U. (symposium chairs): Quellenlokalisation und Netzwerkanalyse zur Therapieoptimierung, 53. Jahrestagung der Deutschen Gesellschaft für Epileptologie e.V. (DGfE2016), Jena, Germany, March 2-5 (2016).
Web
53. Wolters, C.H., Forward and Inverse Problems in EEG/MEG, S. Makeig & R. McIntosh (hosts), Brain Connectivity Workshop 2015, UC San Diego, La Jolla, California, USA, June 10-12 (2015).
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52. Wolters, C.H., Mathematische Methoden in der Hirnforschung F. Käpnick, V.Körkel (hosts), Im Rahmen von "Mathe für kleine Asse: Fachexkursion für die Projektgruppen Klasse 6-8", Institut für Didaktik der Mathematik und Informatik, Uni Münster, Jan.28 (2015).
Ankuendigung Kooperation Mathe-Didaktik
51. Wolters, C.H., Modern numerical mathematics for source analysis from combined EEG and MEG data with applications in presurgical epilepsy diagnosis, Informatik Kolloquium, Christian-Albrechts-Universität zu Kiel, S.Boerm (host), Kiel, Jan.16 (2015), Web.
50. Wolters, C.H., Zur Komplementarität von EEG und MEG - Eine Einführung in die Quellenlokalisation T. Polster (host), Epilepsiezentrum Bethel, Bielefeld, Dec.15 (2014)
Web
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