

**Name:**

2016

**Occurrences:**

- Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Mechatronik > Lehrstuhl für Mikrotechnik und Medizingerätetechnik (Prof. Lüth)

## Entries:

- [1/26]: Abdul-Sater, K., A Hexagonal Prism Folding for Membrane Packaging based on Concepts of Finite Rigid Motion and Kinematic Synthesis, ASME IDETC 2016, 40th Mechanisms and Robotics Conference, 2016
- [2/26]: Abdul-Sater, K.; Irlinger, F.; Lueth, T. C., Some Considerations Towards Kinematic Multibody Synthesis, 4th International Conference on Multibody System Dynamics, 2016
- [3/26]: Atze, H.; Menz, A.; Lueddeman, T.; Dingler, M.; Lueth, T.C., Quantitative Measurements of Soft Tissue Structures using Image-Features in Navigated Endoscopy, IEEE Global Conference on Consumer Electronics, 2016
- [4/26]: Brecht, S.V.; Krieger, Y.S.; Stolzenburg, J.-U.; Lueth, T. C., A New Concept for a Single Incision Laparoscopic Manipulator System Integrating Intraoperative Laparoscopic Ultrasound, IEEE International Conference on Robotics and Biomimetics (Robio), 2016
- [5/26]: Coemert, S.; Alambeigi, F.; Deguet, A.; Carey, J. P.; Armand, M.; Lueth, T. C.; Taylor, R. H, Integration of a Snake-like Dexterous Manipulator for Head and Neck Surgery with the da Vinci Research Kit., The Hamlyn Symposium on Medical Robotics 2016, 2016
- [6/26]: Coemert, S.; Gao, A.; Carey, J. P.; Traeger, M. F.; Taylor, R. H.; Lueth, T. C.; Armand, M., Development of a snake-like dexterous manipulator for skull base surgery, IEEE 38th Annual International Conference of the Engineering in Medicine and Biology Society (EMBC), 2016
- [7/26]: Coy, J.A.; Pfeiffer, J. H.; Krieger, Y. S.; Mehrkens, J.-H.; Bötzel, K.; Lueth, T. C., Mechatronic Device for the Optimization of the DBS-Electrode Placement, IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, 2016
- [8/26]: Dietz, C.; Lueddemann, T.; Dingler, M.; Lüth, T. C. (2016), Automated Risk Detection for Medical Device Networks with Hard Real Time Requirements, 2016 IEEE/SICE International Symposium on System Integration, 2016
- [9/26]: Dingler, M.; Ortiz, D.; Dietz, C.; Lueth, T., An Approach Towards Compositional Behavior Specification of Medical Device Networks, 2016 IEEE /SICE International Symposium on System Integration (SII), 2016
- [10/26]: Dingler, M.; Pfeiffer, J.; Lüddemann, T.; Dietz, C.; Lueth, T., Open Real Time Communication in the Operating Room, Medizintechnik in Bayern, 2016
- [11/26]: Graf, E.C.; Tiemann, K.; Praceus, J.; Lüth, T.C., A Planning System of the Implant Size and Position for Minimally-Invasive Closure of the Left Atrial Appendage, IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, 2016
- [12/26]: Hein, C.M.; Pfitzer, M.; Lueth, T.C., Evaluierung der Nutzerakzeptanz tragbarer Hilfsmittel zur passiven Kraftunterstützung für Altenpflegekräfte, Zweite transdisziplinäre Konferenz Technische Unterstützungssysteme, die die Menschen wirklich wollen, 2017
- [13/26]: Kreutzer J.F.; Deist, J.; Hein, C.M.; Lueth, T.C., Sensor systems for monitoring fluid intake indirectly and directly, IEEE BSN International Conference on Body Sensor Networks, 2016
- [14/26]: Kreutzer J.F.; Flaschberger, J.; Hein, C.M.; Lueth, T.C., Capacitive Detection of Filling Levels in a Cup, IEEE BSN International Conference on Body Sensor Networks, 2016
- [15/26]: Krieger, Y.S.; Brecht, S. V.; Roppenecker, D. B.; Kuru, I.; Lueth, T. C, First Approach towards a Manipulator System for Single-Incision Laparoscopic Surgery Using Rapid Manufacturing, 15. Jahrestagung der Deutschen Gesellschaft für Computer- und Roboterassistierte Chirurgie (CURAC 2016), 2016
- [16/26]: Krieger, Y.S.; Roppenecker, D. B.; Stolzenburg, J.-U.; Lueth, T.C., First Step towards an Automated Designed Multi-Arm Snake-Like Robot for Minimally Invasive Surgery, IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, 2016
- [17/26]: Kuru, I.; Maier, H.; Lenarz, T.; Lüth, T.C., A New Postoperative Adjustable Middle Ear Prosthesis, 10th International Conference in Cholesteatoma and Ear Surgery, 2016
- [18/26]: Kuru, I.; Roth, M.; Ferrer, F. L.; Krieger, Y. S.; Lenarz, T.; Maier, H.; Lueth, T.C., Design and Manufacturing Concept of a Postoperative Adjustable Prosthesis for Ossicular Chain Reconstructions, IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, 2016
- [19/26]: Kuru, Ismail; Maier, Hannes; Müller, Mathias; Lenarz, Thomas; Lueth, Tim C., A 3D-printed functioning anatomical human middle ear model, Hearing Research, 2016
- [20/26]: Laudahn, S.; Irlinger, F.; Lueth, T. C.; Abdul-Sater, K., Auslegung und Rapid Prototyping einer räumlichen Fahrzeugtürkinematik unter Berücksichtigung von Singularitätsbetrachtungen sphärischer

4-Gelenkgetriebe, 18. VDI Bewegungstechnik, 2016

[21/26]: Lueddemann, T.; Chang, D.; Sahin, S.; Lueth, T.C., Medical Device Approval Process in China since the Introduction of the China Food and Drug Administration, IEEE Symposium on Product Compliance Engineering (ISPCE), 2016

[22/26]: Lueddemann, T.; Sahin, S.; Pfeiffer, J.; Lueth, T.C., Experimental Evaluation of a Novel ISO 14971 Risk Management Software for Medical Devices, 2016 IEEE/SICE International Symposium on System Integration (SII 2016), 2016

[23/26]: Maier, H.; Kuru, I.; Lüth, T.C.; Lenarz, T., A Functional 3D Printed Human Middle Ear Model, 10th International Conference in Cholesteatoma and Ear Surgery, 2016

[24/26]: Pfeiffer, J.; Borbáth, Á.; Dietz, C.; Lueth, T.C., A New Module Combining Two Tracking Cameras to Expand the Workspace of Surgical Navigation Systems, 2016 IEEE/SICE International Symposium on System Integration (SII 2016), 2016

[25/26]: Reimer, S.M. F.; Abdul-Sater, K.; Lueth, T.C., Bio-Kinematic Design of Individualized Lift-Assist Devices, Medical and Service Robots 2016, 2016

[26/26]: Rumschoettel, D., Künzel, F., Irlinger, F. and Lueth, T.C., A Novel Piezoelectric Printhead for High Melting Point Liquid Metals, Pan-Pacific Microelectronics Conference, 2016