Forschungsprojekte, Publikationen, Vorträge
Prof. Dr. habil. Dirk Koester

Business & Law School
Hochschule für Management und Recht

Stand: März 2022

Forschungsprojekte/ Drittmitteleinwerbung

2016 Forschungsfond OWL	Koop-Projekt Uniklinik Bochum - Mühlenkreiskliniken (Prof. Schneider, PD Rosenkranz); Universität Bielefeld (Koester & Schack) Laufzeit 1 Jahr
2014 BMBF	Mitarbeit (AG Schack – Mitantragsteller) KogniHome Vernetztes Wohnen – Die mitdenkende Wohnung (Teilprojekt *Personal Supportive Coach*; AG Schack)
CITEC, 2. Förderphase – *Responsible Investigator* in Area D: Memory and Learning	
2014	Mitantragsteller *Interdisciplinary project* Brain machine interfaces to improve human interactions using resource efficiency and adaptivity (extern evaluiert; 2 Stellen, 3 Jahre; AGs Schack, Ritter)
2013	Mitantragsteller *High-risk project* Cognitive control and neurophysiological bases of planning and executing manual actions (extern evaluiert; 1 Promotionsstelle 3 Jahre)
2013	Mitarbeit *Large-scale project* Intelligent coaching space
2013	Mitarbeit *Large-scale project* Deep Familiarization and Learning
2012 BMBF	Gröben & Koester. Mitantragsteller *Qualitätspakt Lehre* für wissenschaftliches Schreiben & Rechnen (1,5 Stellen 5 Jahre). Bundesministerium für Bildung und Forschung
CITEC, 1. Förderphase	
2010	Koester & Schack. Doktorandenstipendium (CITEC) Doktorandenprojekt: Social and neurophysiological correlates of error processing.
2010	Koester & Schack. Doktorandenstipendium (CITEC) Doktorandenprojekt: Cognitive and neurophysiological basis of manual action.
1998-1999 Universitäten Mainz & Glasgow	Koester. Jahresstipendium Diplomarbeit.

Nationale und internationale Forschungskooperationen

Prof. Dr. Thomas Schack (Universität Bielefeld)
Prof. Dr. Kai Essig (Hochschule Rhein-Waal)
Dr. Henning Holle (University of Hull, UK)
Dr. Li-Ann Leow (The University of Queensland, Australia)

Schriftenverzeichnis

Internationale Zeitschriftenartikel (peer-reviewed)

h-Index: 16 (Web of Science), 18 Google Scholar

g-Index: 25 (Web of Science), 33 Google Scholar

Buchpublikationen, Monographien, referierte Fachzeitschriften

Monographien/Bücher (peer-reviewed)

Köster, D. (2016). **Hierarchy, Sequence, Function: A contribution to the architecture of the human neurocognitive system.** Bielefeld: Universität Bielefeld, Fakultät für Psychologie und Sportwissenschaft. URN: urn:nbn:de:hbz:361-29074082

Köster, D. (2004). **Morphology and spoken word comprehension: Electrophysiological investigations of internal compound structure**. (MPI Series in Human Cognitive and Brain Sciences 47.) Leipzig: Max-Planck-Institut für Kognitions- und Neurowissenschaften. URL: http://hdl.handle.net/11858/00-001M-0000-0010-C7F3-F

Buchbeiträge (peer-reviewed)

Koester, D. & Schack, T. (2020). **Neurocognitive psychology for sport**. In: D. Hackfort & R.J. Schinke (eds.). International Encyclopedia of Sport and Exercise Psychology, Vol. 2 Applied and Practical Measures, (p. 440-457). London: Routledge.

Schack, T. & Koester, D. (2019). **Feedback (augmented and sensory).** In: D. Hackfort, R. Schinke & B. Strauss (Eds.), Dictionary of Sport Psychology. Amsterdam: Elsevier.

Koester, D. & Schack, T. (2014). **Response**. In: R. C. Eklund & G. Tenenbaum (Eds.), Encyclopedia of Sport and Exercise Psychology, (p. 596-599). Thousand Oaks: Sage.

Essig, K., Janelle, C., Borgo, F., & Koester, D. (2014). **Attention and Neurocognition**. In: A. Papaioannou & D. Hackfort (Eds.), Routledge Companion to Sport and Exercise Psychology : Global perspectives and fundamental concepts, (p. 253-271). London: Routledge.

Schack, T., Bertollo, M., Koester, D., & Essig, K. (2014). **Technological advancements in sport and exercise psychology**. In: A. Papaioannou & D. Hackfort (Eds.), Routledge Companion to Sport and Exercise Psychology : Global perspectives and fundamental concepts, (p. 953-966). London: Routledge.

Koester, D., Güldenpenning, I., & Schack, T. (2011). **Verarbeitung komplexer Bewegungen: Eine EEG-Studie**. In: Heinen, T., Milek, A., Hohmann, T., & Raab, M. (Eds.), Embodiment: Wahrnehmung – Kognition – Handlung, (p. 58-59). Köln: Hundt.

Güldenpenning, I., Koester, D., & Schack, T. (2011). **Experimentelle Untersuchungen zur zeitlichen Ordnung motorischer Repräsentationen.** In: Heinen, T., Milek, A., Hohmann, T., & Raab, M. (Eds.), Embodiment: Wahrnehmung – Kognition – Handlung, (p. 184-185). Köln: Hundt.

Zeitschriftenartikel (peer-reviewed)

Yu, L., Schack, T., & Koester, D. (im Druck). **Coordinating initial and final action goals in planning grasp-to-rotate movement: An ERP Study**. Neuroscience.

Strenge, B., Koester, D., & Schack, T. (2020). **Cognitive interaction technology in sport - improving performance by individualized diagnostics and error prediction**. Frontiers in Psychology, 11, 597913.

Schütz, C., Güldenpenning, I., Koester, D., & Schack, T. (2020**). Social cues can impact complex behavior unconsciously.** Scientific Reports, 10, 21017.

Strote, C., Gölz, C., Stroehlein, J.K. Haase, F.K., Koester, D., Reinsberger, C., & Vieluf, S. (2020). **Effects of force level and task difficulty on force control performance in elderly people**. Experimental Brain Research 238, 2179-2188.

England, A., Brusseau, T., Burns, R., Koester, D., Newton, M., & Thiese, M. (2019). **The cognitive structure of the basketball free throw in adolescent physical education students**. Motor Control, 23, 472-484.

Gromeier, M., Koester, D., & Schack, T. (2019). **Does physical education foster skill acquisition in novices from childhood to adolescence?** Advances in Social Sciences Research Journal, 6, 30-49.

Hagan Jnr., J. E., Schack, T. & Koester, D. (2018). **Passion play: Embracing new scientific perspectives for improved sport psychology consulting**. SOJ Psychology, 4, 1-5.

Gunduz Can, R., Schack, T., & Koester, D. (2017). **Movement Interferes with Visuospatial Working Memory during Encoding: An ERP Study.** Frontiers in Psychology, 8: 871.

Cheng, M.-Y., Wang, K.-P., Hung, C.-L., Tu, Y.-L., Huang, C.-J., Koester, D., Schack, T. & Hung, T.-M. (2017). **Higher power of sensorimotor rhythm is associated with better performance in skilled air-pistol shooters.** Psychology of Sport and Exercise, 32, 47-53.

Gromeier, M., Koester, D., & Schack, T. (2017). **Developmental gender-specific differences in motor skills of the overarm throw of handball**. Frontiers in Psychology, 8, 212.

Koester, D., & Schack, T. (2016). **Action priority: Early neurophysiological interaction of conceptual and motor representations.** PLOS ONE, 11 (12): e0165882.

Koester, D., Schack, T. & Westerholz, J. (2016). **Neurophysiology of grasping actions: Evidence from ERPs.** Frontiers in Psychology, 7, 1996.

Cheng, M.-Y., Huang, C.-J., Chang, Y.-K., Koester, D., Schack, T. & Hung, T.-M. (2015). **Sensorimotor rhythm neurofeedback enhances golf putting performance**. Journal of Sport & Exercise Psychology, 37, 626-636.

Bläsing, B., Güldenpenning, I., Koester, D., & Schack, T. (2014). **Expertise affects representation structure and categorical activation of grasp postures in climbing**. Frontiers in Psychology, 5, 1008.

Spiegel, M.A., Koester, D., & Schack, T. (2014). **Movement planning and attentional control of visuospatial working memory: evidence from a grasp-to-place task.** Psychological Research, 78, 494-505.

Westerholz, J., Schack, T., & Koester, D. (2014). **The what-decision in manual action: ERPs for free choice vs specified overt goal-related grasping**. Neuroscience Letters, 575, 85-90.

Schack, T., Essig, K., Frank, C., & Koester, D. (2014). **Mental representation and motor imagery training.** Frontiers in Human Neuroscience, 8, 328.

Koester, D. (2014). **Prosody in parsing morphologically complex words: Neurophysiological evidence.** Cognitive Neuropsychology, 31, 147-163.

Westerholz, J., Schack, T., Schütz, C. & Koester, D. (2014). **Habitual vs non-habitual manual actions: An ERP study on overt movement execution.** PLOS ONE, 9(4): e93116.

Güldenpenning, I., Steinke, A., Koester, D., & Schack, T. (2013). **Athletes and novices are differently capable to recognize feint and non-feint actions.** Experimental Brain Research, 230, 333-343.

Spiegel, M.A., Koester, D., & Schack, T. (2013). **The functional role of working memory in the (re-)planning and execution of grasping movements.** Journal of Experimental Psychology: Human Perception and Performance, 39, 1326-1339.

Westerholz, J., Schack, T., & Koester, D. (2013). **Event-related brain potentials for goal-related power grips.** PLOS ONE, 8(7): e68501.

Christoffels, I., Ganushchak, L., & Koester, D. (2013). **Lexical access in overt spoken translation: An ERP study.** Journal of Cognitive Psychology, 25, 646-664.

Koester, D. (2012). **Future morphology? Summary of visual word identification effects draws attention to necessary efforts in understanding morphological processing**. Frontiers in Psychology, 3, 395.

Spiegel, M.A., Koester, D., Weigelt, M., & Schack, T. (2012). **The costs of changing an intended action: Movement planning, but not execution, interferes with verbal working memory.** Neuroscience Letters. 509, 82-86.

Güldenpenning, I., Koester, D., Kunde, W., Weigelt, M., & Schack, T. (2011). **Motor Expertise Modulates the Unconscious Processing of Human Body Postures.** Experimental Brain Research, 213, 383-391.

Lemhöfer, K., Koester, D., & Schreuder, R. (2011). **When bicycle pump is harder to read than bicycle bell: Effects of parsing cues in first and second language compound reading**. Psychonomic Bulletin & Review, 18, 364-370.

Koester, D., & Schiller, N.O. (2011). **The functional neuroanatomy of morphology in language production.** NeuroImage. 55, 732-741.

Holle, H., Gunter, T.C., & Koester, D. (2010). **The time course of lexical access in morphologically complex words**. NeuroReport, 21, 319-323.

Bahlmann, J., Schubotz, R., Mueller, J.L., Koester, D., & Friederici, A.D. (2009). **Neural correlates of higher-order visuo-spatial sequence processing**. Brain Research. 1298, 161-170.

Koester, D., Holle, H., & Gunter, T.C. (2009). **Electrophysiological evidence for incremental lexical-semantic integration in auditory compound comprehension**. Neuropsychologia, 47, 1854-1864.

Schiller, N.O., Horemans, I., Ganushchak, L., & Koester, D. (2009) **Event-related brain potentials during the monitoring of speech errors.** NeuroImage, 44, 520-530.

Koester, D., & Schiller, N.O. (2008). **Morphological Priming in Language Production: Electrophysiological Evidence from Dutch.** NeuroImage, 42, 1622-1630.

Schirmer, A., Escoffier, A., Zysset, S., Koester, D., Striano, T., & Friederici, A.D. (2008). **When vocal processing gets emotional: On the role of social orientation in relevance detection by the human amygdala**. NeuroImage, 40, 1402-1410.

Koester, D., & Prinz, W. (2007). **Capturing regularities in event sequences: Evidence for two mechanisms**. Brain Research, 1180, 59-77.

Koester, D., Gunter, T.C., & Wagner, S. (2007). **The Morphosyntactic Decomposition and Semantic Composition of German Compound Words Investigated by ERPs**. Brain & Language, 102, 64-79.

Koester, D., Gunter, T.C., Wagner, S. & Friederici, A.D. (2004). **Morphosyntax, prosody, and linking elements: The auditory processing of German nominal compounds.** Journal of Cognitive Neuroscience, 16, 1647-1668.

Proceedings-Artikel (peer-reviewed)

Yu, L., Schack, T., & Koester, D. (2018). **Goal Coordination in Free Choice and Specified Grasping: An ERP Study.** In E. Ricciardi (Ed.), Proceedings of the 19th World Congress of Psychophysiology of the International Organization of Psychophysiology, Lucca, Italy.

Koester, D., Schack, T, & Güldenpenning, I. (2016). **Motor expertise facilitates the cognitive evaluation of body postures: An ERP study**. In: Barkowsky, T., Llansola, Z.F., Schultheis, H., & van de Ven, J. (Eds.), Proceedings of the 13th biannual conference of the German cognitive science society, (S. 59-62). Bremen: Universität Bremen. URN: urn:nbn:de:gbv:46-00105521-19

Christoffels, I., Ganushchak, L., & Koester, D. (2009). **When ROOM means cream and room: translation, homographs, ERPs and overt speech.** Proceedings of the 16th Meeting of the European Society for Cognitive Psychology, (p. 108). Cracow, Poland.

Zeitschriftenbeiträge (peer-reviewed)

Schwarzer, C., Brüchle, W., Koester, D., Schack, T., Schneider, H.U., & Rosenkranz, K. (2018). **Untersuchung der koordinativen Fähigkeiten für ein Bewegungstraining bei unipolarer Depression**. Zeitschrift für Neuropsychologie, 29(Suppl.), 199.

Schack, T., Vogel, L. & Koester, D. (2016). **Language and motor control - Early neurophysiological interaction of conceptual and motor representations**. Journal of Sport & Exercise Psychology, 38(Suppl.), 105.

Koester, D., & Schack, T. (2015). **Grasping interacts with word meaning: Neurophysiological evidence**. Cognitive Processing, 16, S16-17.

Berger, A., Koester, D., Lausberg, H., & Helmich, I. (2016). **Neural correlates of planning processes: A functional near-infrared spectroscopy study**. Kognitive Neurophysiologie des Menschen - Human Cognitive Neurophysiology, 9, 15.

Koester, D. (2014). **Manual action**. Cognitive Processing, 15, S16-17.

Seegelke, C., Koester, D., Blaesing, B., Spiegel, M. A. & Schack, T. (2014). **The role of working memory in prospective and retrospective motor planning.** Cognitive Processing, 15, S66-67.

Koester, D. (2010). **The neural basis of compound word processing: Evidence from ERPs and fMRI**. Procedia Social and Behavioral Sciences, 6, 22-23.

Zeitschriftenbeiträge

Koester, D., & Schack, T. (2010). **Greifen ohne Zuzugreifen: Mentales Erlernen einer unmöglichen Bewegung**. Zeitschrift für Sportpsychologie, 17, 162-163. [Digest]

Lex, H., Koester, D., & Weigelt, M. (2010). **Das Erkennen von Objekten im Alltag basiert auf unserem Bewegungswissen.** Zeitschrift für Sportpsychologie, 17, 21-22. [Digest]

Sonstige Veröffentlichungen: Leitfäden, Radio, Presse, Internet, TV

World Mental Health Association (08.2021, online) **Scientists Confirm Dual Beneficial Effects of Physical Activity in Depression.**

Bergland, Christopher (08.2021, online) Psychology Today. **Depression Inhibits Neural Plasticity. Exercise Restores it.**

Koester, Dirk. (06.2019). Frau im Leben **So wird das Gehirn leistungsfähiger**.

Koester, Dirk. (13.06.2017). Mindener Tageblatt **Interview zu Drohnenrennen**.

Koester, Dirk. (17.05.2017). Neue Westfälische **Symposium zur Leistungsverbesserung im Sport**.

Koester, Dirk. (18.01.2017). Medizin & Technik **Schneller durch (Be)Greifen**.

Koester, Dirk. (09.01.2017, Großbritannien).The Times **Golf gadget cuts scores at a stroke by calming brain**.

Koester, Dirk. (20.12.2016).Hamburger Abendblatt **Greifbewegungen beschleunigen das Verstehen von Worten**.

Koester, Dirk. (19.12.2016). World News **Das Verstehen durch Greifbewegungen beschleunigen**.

Koester, Dirk. (21.12.2016). NeuroScientist News **Speeding up comprehension with grasping actions**.

Koester, Dirk. (21.12.2016). Science Magazine **Speeding up comprehension with grasping actions**.

Koester, Dirk. (2016/17). BI.research Forschungsmagazin der Universität Bielefeld **Fenster ins Gehirn/Window into the brain**.

Koester, Dirk. (02. 04. 2014, Österreich). Der Standard **Gehirnforschung: Wie der Mensch das Greifen steuert.**

Koester, Dirk. (05. 04. 2014). JuraForum **Die millisekundengenaue Planung des Gehirns**.

Koester, Dirk. (02.04.2014). Evangelischer Pressedienst **Millisekunden bis zum Greifen der Tasse**.

Koester, Dirk. (02. 12. 2011). Westfalenblatt **Wie funktioniert das mit dem Arm?**

Auswahl an Medienberichten (TV, Print, Radio)

Rosenkranz, Karin, Koester, Dirk. (08.2021). Der Spiegel **Bewegung ist Futter fürs Gehirn.**

Zeller, N. (06.2019; fachliche Revision, D. Koester). *So wird das Gehirn leistungsfähiger.* Frau im Leben.

Koester, Dirk. (13.06.2017). Mindener Tageblatt **Interview zu Drohnenrennen**.

Koester, Dirk. (09.01.2017, Großbritannien).The Times **Golf gadget cuts scores at a stroke by calming brain**.

Koester, Dirk. (20.12.2016).Hamburger Abendblatt **Greifbewegungen beschleunigen das Verstehen von Worten**.

Koester, Dirk. (02. 04. 2014, Österreich). Der Standard **Gehirnforschung: Wie der Mensch das Greifen steuert.**

Wissenschaftliche Vorträge/ Funktionen in wissenschaftlichen Fachtagungen/ Wissenschaftskommunikation und Wissenstransfer

Eingeladene Vorträge (Auswahl)

Koester, D. (2021). Human action control, Laboratory for Cognition and Action, Department of Psychology, University of California, Riverside, USA.

Koester, D. (2015). Action, Language & the Brain. Max-Planck-Institut für empirische Aesthetik Forschung, Frankfurt/M.

Koester, D. (2015). The (Neuro) Cognition of Complex Human Action. Sensomotorisches Kolloquium, Abt. Bewegungswissenschaft, Technische Universität München.

Koester, D. (2012). Compound words in action: neurophysiological evidence. Faculty of Science and Engineering, Dept. of Psychology, Hull, Großbritannien.

Koester, D. (2011). How the brain processes compound words: Insights from ERPs and fMRI. 7th International Morphological Processing Conference, Donostia-San Sebastian, Spanien.

Koester, D. (2010). The neural basis of compound word processing: Evidence from ERPs and fMRI. 48th Annual Meeting of the Academy of Aphasia, Athen, Griechenland.

Koester, D. (2009). Investigating hierarchical sequence processing – The perspective of cognitive neuroscience. The 12th World Congress of Sport Psychology, Marrakesh, Marokko.

Koester, D. (2008). Compound processing in spoken language comprehension & production. Kolloquiumsvortrag. MRC – Cognition and Brain Sciences Unit, Cambridge, UK.

Veröffentlichte Konferenzbeiträge (peer-reviewed; Auszug)

Koester, D., Schütz, C., Güldenpenning, I., & Schack, T. (2018). Wie verarbeiten Basketball-Athleten Blickfinten? Eine EEG-Studie. In U. Borges, L. Bröker, S. Hoffmann, T. Hosang, S. Laborde, R. Liepelt, B. Lobinger, et al. (Eds.), 50. Jahrestagung der asp "Die Psychophysiologie der Handlung" (pp. 33-34). Bonn.

Gromeier, M., Schack, T. & Koester, D. (2018). How are motor performance developments affected by exercise in extracurricular in comparison with school sports? In U. Borges, L. Bröker, S. Hoffmann, T. Hosang, S. Laborde, R. Liepelt, B. Lobinger, et al. (Eds.), 50. Jahrestagung der asp "Die Psychophysiologie der Handlung" (112-113). Bonn.

Koester, D., Schack, T. & Gromeier, M. (2018). How are motor skill developments affected by practise in extracurricular vs. school sports? In: Hartig, J. & Horz, H. (Eds.), 51. Kongress der Deutschen Gesellschaft für Psychologie, (S. 504). Lengerich: Pabst.

Schütz, C., Koester, D., & Schack, T. (2018). The reponse elicited by a masked prime is independent of the target response In: Hartig, J. & Horz, H. (Eds.), 51. Kongress der Deutschen Gesellschaft für Psychologie, (S. 614). Lengerich: Pabst.

Cheng, M. Y., Wang, K.-P., Koester, D., Hung, T. M., & Schack, T. (2018). Proficient brain activity in superior golf putting performance: An insight from the EEG and psychomotor efficiency. North American Society for the Psychology of Sport and Physical Activity. Denver, USA.

Gunduz Can, R., Koester, D., & Schack, T. (2018). Movement (re-)planning interferes with working memory during the maintenance process: An ERP study. In: Schütz, A., Schubö, A., Endres, D. & Lachnit, H. (Eds.), Abstracts of the 60h Conference of experimental psychologists, (p. 98). Lengerich: Pabst.

Koester, D., Schütz, C., & Schack, T. (2018). Spatial compatibility effects in whole-body movements: expertise and movement specificity? In: Schütz, A., Schubö, A., Endres, D. & Lachnit, H. (Eds.), Abstracts of the 60h Conference of experimental psychologists, (p. 136). Lengerich: Pabst.

Koester, D., Schack, T., & Stojan, R. (2017). Is precision during manual pointing reflected in ERP amplitudes? In: Schwirtz, A., Mess, F., Demetriou, Y. & Senner, V. (Eds.), Innovation & Technologie im Sport: Abstractband zum 23. dvs-Hochschultag, (p. 82). Hamburg: Czwalina.

Gunduz Can, R., Schack, T., & Koester, D. (2017). Movement (re-)planning interferes with working memory during the maintenance process: An ERP study. Annual Meeting of the Cognitive Neuroscience Society, San Francisco, USA.

Schack, T. & Koester, D. (2017). Cognitive and biological aspects of controlling complex movements. In: Gangayan, S., Cruz, J. & Jaenes, J.C. (Eds.), Sport psychology: linking theory to practice, (p. 342). ISSP 14th World Congress. Sevilla, Spain.

Koester, D., Schütz, C., & Schack, T. (2017). Der Simon-Effekt in Ganzkörperbewegungen am Beispiel des Handball-Torwurfs. In: Goschke, T., Bolte, A., & Kirschbaum, C. (Eds.), Abstracts of the 59. conference of experimental psychologists, (p. 197). Lengerich: Pabst.

Koester, D., Schütz, C., & Schack, T. (2017). Effects of spatial (in)compatibility between stimuli and responses for complex actions in ecologically valid situations. In: Zuber, C., Schmid, J., Schmidt, M., Wegner, M. & Conzelmann, A. (Eds.), Gelingende Entwicklung im Lebenslauf. Abstractband der 49. Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie, (65-66). Bern: Universität Bern.

Stojan, R., Schack, T. & Koester, D. (2017). Neurophysiological correlates of the interaction between language processing and motor control. In: Goschke, T., Bolte, A., & Kirschbaum, C. (Eds.), Abstracts of the 59. conference of experimental psychologists, (p. 71). Lengerich: Pabst.

Konferenzpräsentationen (Auszug)

Koester, D., & Land, P. (2019). Eine deutsche Übersetzung des "Competitive index-revised" (CI-Rd) mit Validierung der internen Struktur. 24. Sportwissenschaftlicher Hochschultag der dvs. Berlin.

Koester, D., & Land, P. (2019). Translation of the "Competitive index-revised" into German and validation of its internal structure. 15th European Congress of Sport and Exercise Psychology. Münster.

Koester, D., & Land, P. (2019). Übersetzung des "Competitive index-revised" ins Deutsche und Validierung der internalen Fragebogen-Struktur. ASP 2019 abstract booklet, (p. 72). Halle/S.

Koester, D., Schütz, C., Güldenpenning, I., & Schack, T. (2018). What does the EEG reveal about how athletes process head fakes in basketball? In: C. Rothkopf, D. Balfanz, R. Galuske, F. Jäkel, K. Kersting, J. Macke, & B. Mohler (Eds.), Computational Approaches to Cognitive Science (p. 30). Darmstadt.

Mey, S., Koester, D., & Schack, T. (2018). Ideomotor simulation in manual action - Combining brain activity and eye-tracking measurements. In: C. Rothkopf, D. Balfanz, R. Galuske, F. Jäkel, K. Kersting, J. Macke, & B. Mohler (Eds.), Computational Approaches to Cognitive Science (p. 45). Darmstadt.

Mey, S., Koester, D., & Schack, T. (2018). Braintracking! A first step to ideomotor simulation in manual action. 51. Herbsttreffen Experimentelle Kognitionspsychologie, Aachen.

Mey, S., Koester, D., & Schack, T. (2018). I know what you want. How eye movements tell us our needs. Neurobiology doctoral students workshop, Berlin.

Gunduz Can, R., Schack, T., & Koester, D. (2018). Manual action re-planning interferes with working memory independent of response modality: A neurophysiological evidence. 24th Annual Meeting of Organization for Human Brain Mapping, Singapore.

Gunduz Can, R., Schack, T., & Koester, D. (2018). Grasping Interferes with Visuospatial Working Memory during the Encoding: Neurophysiological Evidence. 25th Annual Meeting of Cognitive Neuroscience Society, Boston, USA.

Yu, L., Schack, T., & Koester, D. (2018). Goal Coordination in Free Choice and Specified Grasping: An ERP Study. Workshop on Concepts, Actions, and Objects: Functional and Neural Perspectives, Rovereto, Italy.

Yu, L., Schack, T., & Koester, D. (2018). Goal Coordination in Grasping Preparation: An ERP Study. Chinese Association for Psychological & Brain Sciences Meeting, Nijmegen, The Netherlands.

Cheng, M. Y., Wang, K. P., Koester, D., Hung, T. M., & Schack, T. (2018). Miss your putts? The key EEG index to achieve the superior golf putting performance. Movementis. Boston, USA.

Cheng, M.-Y.,Wang, K.-P., Koester, D., Hung, T.-M. & Schack, T. (2018). Miss your putts? The key EEG index to achieve the superior performance in golf putting. Asia Conference of Kinesiology, Taichung, Taiwan.

Vogel, L., Schack, T. & Koester, D. (2018). Neurophysiological effects of motor and conceptual representations. Movementis-Konferenz, Harvard, USA.

Brüchle, W., Schwarzer, C., Koester, D., Schack, T., Schneider, U., & Rosenkranz, K. (2018). Physical exercise and unipolar depression: Effects on cognition, neuroplasticity, depression and coordinative movement skills. 12th CeBiTec Symposium: Big data in medicine and biotechnology, Bielefeld.

Cheng, M.-Y., Koester, D., Hung, T.-M. & Schack, T. (2017). Improve the shooting performance with neurofeedback training: An insight from the EEG and psychomotor efficiency. 2nd European Seminar on Sport Psychology, Pisa, Italien.

Koester, D., Schack, T., Güldenpenning, I., & Schütz, C. (2017). The cognitive structure of complex movements and a neurophysiological approach. Movement: Brain, Body, Cognition, Oxford, UK.