

# Partners in Science 2019

Academic Studies using WorldViz Technology

January 2019 - February 2020



WorldViz is proud to present its fourth and latest Partners in Science Report: In 2019, more than 90 published research studies utilized a WorldViz VR solution. Our previous **WorldViz Partners in Science** reports from 2015 to 2019 highlighted over 240 previously published studies combined.

Universities around the world are using cutting-edge WorldViz VR solutions to broaden the horizon of scientific understanding. Virtual reality is a powerful research tool allowing for unprecedented experimental control within fully immersive stimuli. This WorldViz Partners in Science Report highlights published studies from our partners - top scientific researchers embracing virtual reality to advance their field.

The 2019 report is organized by scientific field: *Architecture, Computer Science, Engineering, Neuroscience, Physiology, Psychology*.

Links to the published journal articles for each study along with the authors are provided below. As some of the papers are hosted on SpringerLink and IEEE, you'll need to use your university license to access them.

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**American University of Beirut**

*Department of Civil and Environmental  
Engineering*

**Researcher:** Farook Hamzeh | Hisham Abou-Ibrahim | Anthony Daou | Mazen Faloughi  
Nadim Kawwa

**Title of Paper/Research:** [3D visualization techniques in the AEC industry: the possible uses of holography](#)

**Journal:** Journal of Information Technology in Construction

**Date:** April, 2019

**Thomas Jefferson University**

*College of Architecture and the Built  
Environment*

**Researcher:** G. Ozcan-Deniz

**Title of Paper/Research:** [Expanding applications of virtual reality in construction industry: A multiple case study approach](#)

**Journal:** Journal of Construction Engineering, Management & Innovation 2019 Volume 2  
Issue 2 Pages 48-66

**Date:** June, 2019

**China University of Mining and Technology**

*Architecture*

**Yancheng Institute of Technology**

*Urban and Rural Planning*

**Researcher:** Liang Sun | Weikang Tan | Yanbing Ren | Xiang Ji | Zhi Wang | Pei Li

**Title of Paper/Research:** [Research on Visual Comfort of Underground Commercial Streets' Pavement in China on the Basis of Virtual Simulation](#)

**Journal:** International Journal of Pattern Recognition and Artificial Intelligence

**Date:** July, 2019

## Tohoku University

*Graduate School of Information Sciences*

**Researcher:** Kazumichi Matsumiya

**Title of Paper/Research:** [Separate multisensory integration processes for ownership and localization of body parts](#)

**Journal:** Scientific Reports

**Date:** January, 2019

## Yonsei University College of Medicine

*Institute of Behavioral Science in Medicine*

## Hanyang University

*Department of Computer Science*

**Researcher:** Hyojung Eom | Kwanguk (Kenny) Kim | Sungmi Lee | Yeon-Ju Hong | Jiwoong Heo  
Jae-Jin Kim | Eunjoo Kim

**Title of Paper/Research:** [Development of Virtual Reality Continuous Performance Test Utilizing Social Cues for Children and Adolescents with Attention-Deficit/Hyperactivity Disorder](#)

**Journal:** Cyberpsychology, Behavior, and Social Networking

**Date:** March, 2019

## Indian Institute of Technology, Kanpur

*Department of Electrical Engineering*

## University of Warwick

*Department of Computer Science*

**Researcher:** Zeeshan Akhtar | Tanaya Guha

**Title of Paper/Research:** [Computational Analysis of Gaze Behavior in Autism During Interaction with Virtual Agents](#)

**Journal:** ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)

**Date:** May, 2019

## Indian Institute of Technology Gandhinagar

*Center for Cognitive Science  
Electrical Engineering Department*

**Researcher:** Pradeep Raj Krishnappa Babu | Uttama Lahiri

**Title of Paper/Research:** [Classification approach for understanding implications of emotions using eye-gaze](#)

**Journal:** Journal of Ambient Intelligence and Humanized Computing

**Date:** May, 2019

## Miami University

*Department of Computer Science and  
Software Engineering  
Armstrong Institute for Interactive  
Media Studies*

**Researcher:** Eric R. Bachmann | Eric Hodgson | Cole Hoffbauer | Justin Messinger

**Title of Paper/Research:** [Multi-User Redirected Walking and Resetting Using Artificial Potential Fields](#)

**Journal:** IEEE Transactions on Visualization and Computer Graphics, vol. 25, no. 5

**Date:** May, 2019

## University of Minnesota

*Computer Science*

**Researcher:** Christianah Adigun

**Title of Paper/Research:** [Designing Immersive Virtual Environments for Cognitive Learning and Spatial Memory Tasks](#)

**Journal:** University of Minnesota Digital Conservancy

**Date:** June, 2019

**Fraunhofer Institute for Communication,  
Information Processing and Ergonomics**

*Human Factors*

**Institute for Occupational Safety and Health of  
the German Social Accident Insurance**

*Accident Prevention*

**Researcher:** Mara Kaufeld | Peter Nickel

**Title of Paper/Research:** Level of Robot Autonomy and Information Aids in Human-Robot Interaction Affect Human Mental Workload – An Investigation in Virtual Reality

**Journal:** HCII 2019. Lecture Notes in Computer Science, vol 11581

**Date:** June, 2019

**Heriot-Watt University**

*School of Mathematical & Computer Sciences*

**Researcher:** Ben Kenwright

**Title of Paper/Research:** Virtual Reality: Where Have We Been? Where Are We Now? and Where Are We Going?

**Journal:** Preprints 2019

**Date:** July, 2019

**Indian Institute of Technology, Gandhinagar**

*Computer Science and Engineering*

*Cognitive Science*

*Electrical Engineering*

**Researcher:** Pradeep Raj Krishnappa Babu | Sujata Sinha | Arvind Roshaan S. | Uttama Lahiri

**Title of Paper/Research:** Virtual Reality Based Collaborative Multiplayer Task Platform for Children with Autism

**Journal:** Proceedings of the 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT)

**Date:** July, 2019

**University of Washington**

*Human Photonics Lab, Department of  
Mechanical Engineering*

**University of Texas**

*Medical Branch and Shriners Children's  
Hospital*

**University of Washington**

*Department of Rehabilitation Medicine*

**University of Florence**

*Department of Health Sciences*

**University Jaume**

*Department of Basic and Clinical Psychology  
and Psychobiology*

**King Abdulaziz University**

*Department of Computer Science*

**Effat University**

*Department of Computer Science*

**University of Washington**

*Department of Radiology*

**University of Washington Harborview Medical  
Center**

*Department of Anesthesiology*

**Researcher:** Hunter G. Hoffman | Walter J. MeyerII | Sydney A. Drever | Maryam Soltani  
Barbara Atzori | Rocio Herrero | Wade Alhalabi | Todd L. Richards | Sam R. Sharar  
Mark P. Jensen | David R. Patterson

**Title of Paper/Research:** [Virtual Reality Distraction to Help Control Acute Pain during Medical  
Procedures](#)

**Journal:** Virtual Reality for Psychological and Neurocognitive Interventions

**Date:** August, 2019

## **Miami University**

*Computer Science  
Psychology & Interactive Media*

**Researcher:** Justin Messinger | Eric Hodgson | Eric R. Bachmann

**Title of Paper/Research:** [Effects of Tracking Area Shape and Size on Artificial Potential Field Redirected Walking](#)

**Journal:** 2019 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)

**Date:** August, 2019

## **Simon Fraser University**

*School of Interactive Arts + Technology*

## **Bonn-Rhein-Sieg University of Applied Sciences**

*Institute of Visual Computing*

**Researcher:** Thinh Nguyen-Vo | Bernhard E. Riecke | Wolfgang Stuerzlinger | Duc-Minh Pham Ernst Kruijff

**Title of Paper/Research:** [NaviBoard and NaviChair: Limited Translation Combined with Full Rotation for Efficient Virtual Locomotion](#)

**Journal:** IEEE Transactions on Visualization and Computer Graphics

**Date:** August, 2019

## **Graduate School of Vanderbilt University**

*Computer Science*

**Researcher:** Haojie We

**Title of Paper/Research:** [Using a virtual environment to evaluate pedestrian street crossing decisions at the a traffic roundabout](#)

**Journal:** The Faculty of the Graduate School of Vanderbilt University

**Date:** August, 2019

**Indian Institute of Technology Gandhinagar**

*Centre for Cognitive and Brain Sciences  
Department of Electrical Engineering*

**Researcher:** Vishav Jyoti | Uttama Lahiri

**Title of Paper/Research:** Human-Computer Interaction based Joint Attention cues: Implications on functional and physiological measures for children with autism spectrum disorder

**Journal:** Computers in Human Behavior

**Date:** October, 2019

**University of Utah**

*Department of Psychology*

**Vanderbilt University**

*Department of Electrical Engineering  
and Computer Science*

**Researcher:** Sarah H. Creem-Regehr | Devin M. Gill | Grant D. Pointon | Bobby Bodenheimer  
Jeanine K. Stefanucci

**Title of Paper/Research:** Mind the Gap: Gap Affordance Judgments of Children, Teens, and Adults in an Immersive Virtual Environment

**Journal:** Frontiers in Robotics and AI

**Date:** October, 2019

**China Agricultural University**

*College of Information and Electrical  
Engineering*

**York University**

*Department of Electrical Engineering  
and Computer Science*

**Researcher:** Jingbo Zhao | Robert S. Allison

**Title of Paper/Research:** Comparing head gesture, hand gesture and gamepad interfaces for answering Yes/No questions in virtual environments

**Journal:** Virtual Reality 2019

**Date:** December, 2019

**York University**

*Department of Electrical Engineering  
and Computer Science*

**Researcher:** Jingbo Zhao | Robert Allison

**Title of Paper/Research:** [The Role of Binocular Vision in Avoiding Virtual Obstacles While Walking](#)

**Journal:** IEEE Transactions on Visualization and Computer Graphics

**Date:** January, 2020

## Beijing Normal University

*Research Center of Geospatial Cognition  
and Visual Analytics, and Faculty of  
Geographical Science*

## Technical University of Munich

*Liqiu Meng Department of Civil, Geo  
and Environmental Engineering*

**Researcher:** Weihua Dong | Tianyu Yang | Hua Liao | Liqiu Meng

**Title of Paper/Research:** [How does map use differ in virtual reality and desktop-based environments?](#)

**Journal:** International Journal of Digital Earth

**Date:** February, 2019

## Eindhoven University of Technology

*Department of Industrial Engineering &  
Innovation Sciences*

**Researcher:** Peter A. M. Ruijten | Raymond Cuijpers

**Title of Paper/Research:** [Do Not Let the Robot Get too Close: Investigating the Shape and Size of Shared Interaction Space for Two People in a Conversation](#)

**Journal:** Information 2020, 11(3), 147

**Date:** March, 2019

## Osaka University

*Graduate School of Engineering  
Cybermedia Center*

**Researcher:** Muhammad Hegazy | Kensuke Yasufuku | Hirokazu Abe

**Title of Paper/Research:** [Immersive Gamified Environments \(IGE\) as an Approach to Assess Subjective Qualities of Daylighting in Architectural Spaces](#)

**Journal:** 2019 IEEE Conference on Virtual Reality and 3D User Interfaces

**Date:** March, 2019

**Indian Institute of Technology Gandhinagar**

*Cognitive Science*

*Electrical Engineering*

**Researcher:** Vishav Jyoti | Uttama Lahiri

**Title of Paper/Research:** [Virtual Reality based Joint Attention Task Platform for Children with Autism](#)

**Journal:** IEEE Transactions on Learning Technologies

**Date:** April, 2019

**University of Lisbon**

*Department of Civil Engineering*

**Researcher:** Alcínia Zita Sampaio

**Title of Paper/Research:** [Using VR technology to improve BIM: maintenance and construction](#)

**Journal:** Laval Virtual VRIC 2019 Proceedings

**Date:** April, 2019

**Sharda University**

*Department of Mechanical Engineering*

**Researcher:** Anuj Kumar Sehgal | Vineet Kumar | Nitesh Kumar | Aman Gupta

**Title of Paper/Research:** [Assembly of Mechanical Parts in Virtual Environment](#)

**Journal:** Advances in Engineering Design

**Date:** April, 2019

## Colorado School of Mines

*Department of Mining Engineering*

**Researcher:** E.Isleyen | H.S.Duzgun

**Title of Paper/Research:** Use of virtual reality in underground roof fall hazard assessment and risk mitigation

**Journal:** International Journal of Mining Science and Technology Volume 29, Issue 4

**Date:** June, 2019

## Minjiang University

*School of Physics and Electronic Information Engineering*

**Researcher:** Xiaobin Lin | Jianxing Wang | Yingwu Zhou | Chen Lin

**Title of Paper/Research:** Enhancing the Design and Innovation Capability - A Study on the Effectiveness of Augmented Reality and Big Data

**Journal:** Atlantis Press- 3rd International Conference on Economics and Management, Education, Humanities and Social Sciences (EMEHSS 2019) Advances in Social Science, Education and Humanities Research, volume 325

**Date:** June, 2019

## Universidad de Oviedo

*Departamento de Construcción e Ingeniería de Fabricación*

*Departamento de Geología*

**Researcher:** Santiago Martín | Hodei Uzkeda | Josep Poblet | Mayte Bulnes

**Title of Paper/Research:** Geological interpretation of two virtual outcrops of deformed Palaeozoic rocks (NW Iberian Peninsula) using 3D stereo VDT in a computer assisted virtual environment (CAVE™)

**Journal:** Journal of Iberian Geology volume 45

**Date:** July, 2019

**Indian Institute of Technology, Gandhinagar**

*Centre for Cognitive and Brain Sciences  
Department of Electrical Engineering*

**Researcher:** Vishav Jyoti | Uttama Lahiri

**Title of Paper/Research:** Design of Intelligent Artificial Agents: Its Application in Joint Attention Task for Children with Autism

**Journal:** International Conference on Intelligence Science ICIS 2019: Computer and Information Science

**Date:** August, 2019

**National Information Processing Institute**

**Researcher:** Zbigniew Bohdanowicz | Jarosław Kowalski | Katarzyna Abramczuk  
Grzegorz Banerski | Daniel Cnotkowski | Agata Kopacz | Paweł Kobylinski | Aldona Zdrodowska  
Cezary Biele

**Title of Paper/Research:** Is a Virtual Ferrari as Good as the Real One? Children's Initial Reactions to Virtual Reality Experiences

**Journal:** International Conference on Human Systems Engineering and Design: Future Trends and Applications IHSED 2019: Human Systems Engineering and Design II pp 397-403

**Date:** August, 2019

**Indian Institute of Technology Gandhinagar  
Indian Institute of Technology Kharagpur  
University at Buffalo**

**Researcher:** Deepesh Kumar | Nirvik Sinha | Anirban Dutta | Uttama Lahiri

**Title of Paper/Research:** Virtual reality-based balance training system augmented with operant conditioning paradigm

**Journal:** BioMedical Engineering OnLine volume 18, Article number: 90 (2019)

**Date:** August, 2019

**University of Queensland**

*School of Information Technology and  
Electrical Engineering  
Centre for Health Services Research*

**Researcher:** Aaron J Snoswell | Centaine L Snoswell

**Title of Paper/Research:** [Immersive Virtual Reality in Health Care: Systematic Review of Technology and Disease States](#)

**Journal:** JMIR Biomedical Engineering (JBME), Vol 4, No.1

**Date:** September, 2019

**NED University of Engineering &  
Technology Karachi**

*Virtual Reality Center*

**Researcher:** Dr. Farrukh Arif

**Title of Paper/Research:** [Utilizing Immersive Visualization For Infrastructure Management Decision-Making and Technical Capacity Building](#)

**Journal:** VR in Focus - Newsletter of NED University VR Center

**Date:** September, 2019

**Texas A&M University at Qatar**

*Petroleum Engineering, Research Computing*

**Researcher:** Albertus Retnanto | Mohamed Fadlelmula | Nayef Alyafei | Ali Sheharyar

**Title of Paper/Research:** [Active Student Engagement in Learning-Using Virtual Reality Technology to Develop Professional Skills for Petroleum Engineering Education](#)

**Journal:** Society of Petroleum Engineers

**Date:** September, 2019

## University of Burgos

*Department of Civil Engineering*

**Researcher:** David Checa | Andres Bustillo

**Title of Paper/Research:** [A review of immersive virtual reality serious games to enhance learning and training](#)

**Journal:** Multimedia Tools and Applications volume 79

**Date:** December, 2019

## IIT Gandhinagar

*Department of Electrical Engineering*

**Researcher:** Adyasha Dash | Uttama Lahiri

**Title of Paper/Research:** [Design of Virtual Reality-Enabled Surface Electromyogram-Triggered Grip Exercise Platform](#)

**Journal:** IEEE Transactions on Neural Systems and Rehabilitation Engineering (Volume: 28, Issue: 2, Feb. 2020)

**Date:** December, 2019

**Technische Universität Berlin**

*Biological Psychology and Neuroergonomics*

**University of California San Diego**

*Center for Advanced Neurological Engineering*

**Researcher:** Evelyn Jungnickel | Lukas Gehrke | Marius Klug | Klaus Gramann

**Title of Paper/Research:** [MoBI—Mobile Brain/Body Imaging](#)

**Journal:** Neuroergonomics, The Brain at Work and in Everyday Life

**Date:** 2019

**Coimbra Institute for Biomedical Imaging and Translational Research**

*Institute for Nuclear Sciences Applied to Health, Brain Imaging Network*

**University of Coimbra**

*Laboratory of Biostatistics and Medical Informatics, Institute for Biomedical Imaging and Life Sciences, Faculty of Medicine*

**Researcher:** Nadia Canario | Mario Sousa | Fradique Moreira | Isabel Catarina Duarte  
Francisco Oliveira | Cristina Januario | Miguel Castelo-Branco

**Title of Paper/Research:** [Impulsivity across reactive, proactive and cognitive domains in Parkinson's disease on dopaminergic medication: Evidence for multiple domain impairment](#)

**Journal:** PLoS ONE 14(2)

**Date:** February, 2019

**Coimbra Hospital and University Centre**

*Division of Movement Disorders,  
Department of Neurology*

**University of Muenster**

*Otto Creutzfeldt Center for Cognitive and Behavioral Neuroscience*

**Researcher:** Luke Bölling | Niklas Stein | Frank Steinicke | Markus Lappe

**Title of Paper/Research:** [Shrinking Circles: Adaptation to Increased Curvature Gain in Redirected Walking](#)

**Journal:** IEEE Transactions on Visualization and Computer Graphics, vol. 25

**Date:** February, 2019

## University of Coimbra

*Institute for Biomedical Imaging and Life Sciences, Faculty of Medicine*

*Institute of Nuclear Sciences Applied to Health, Coimbra Institute for Biomedical Imaging and Life Sciences (CIBIT)*

*Institute of Systems and Robotics, Department of Electrical and Computer Engineering*

## Maastricht University

*Department of Cognitive Neuroscience*

**Researcher:** Bruno Direito | João Lima | Marco Simões | Alexandre Sayal | Teresa Sousa  
Michael Lühns | Carlos Ferreira | Miguel Castelo-Branco

**Title of Paper/Research:** [Targeting dynamic facial processing mechanisms in superior temporal sulcus using a novel fMRI neurofeedback target](#)

**Journal:** Neuroscience, Volume 406, 15 May 2019

**Date:** February, 2019

## Indian Institute of Technology Gandhinagar

*Department of Electrical Engineering*

**Researcher:** Adyasha Dash | Anand Yadav | Anand Chauhan | Uttama Lahiri

**Title of Paper/Research:** [Kinect-Assisted Performance-Sensitive Upper Limb Exercise Platform for Post-stroke Survivors](#)

**Journal:** Frontiers in Neuroscience - Neural Technology

**Date:** March, 2019

**University College London**

*Institute of Behavioural Neuroscience*

*Institute of Cognitive Neuroscience*

**University of Kent**

*School of Psychology*

**University of the Basque Country**

*School of Psychology*

**Durham University**

*Department of Psychology*

**University of East Anglia**

*School of Psychology*

**University Hospital Magdeburg**

*Institute of Cognitive Neurology and  
Dementia Research (IkND)*

**Max Planck Institute**

*Biological Cybernetics*

**Researcher:** Amir-Homayoun Javadi | Eva Zita Patai | Eugenia Marin-Garcia | Aaron Margolis  
Heng Ru M. Tan | Dharshan Kumaran | Marko Nardini | Will Penny | Emrah Duze  
Peter Dayan | Hugo J. Spiers

**Title of Paper/Research:** [Prefrontal Dynamics Associated with Efficient Detours and  
Shortcuts: A Combined Functional Magnetic Resonance Imaging and Magnetoencephalography  
Study](#)

**Journal:** Journal of Cognitive Neuroscience, Volume 31, No. 8

**Date:** June, 2019

**Radboud University Nijmegen**

*Institute for Brain, Cognition and Behaviour*

**Researcher:** Lieke Heil | Olympia Colizoli | Egbert Hartstra | Johan Kwisthout | Stan van Pelt  
Iris van Rooij | Harold Bekkering

**Title of Paper/Research:** [Processing of Prediction Errors in Mentalizing Areas](#)

**Journal:** Journal of Cognitive Neuroscience

**Date:** June, 2019

## University College London

*Institute of Cognitive Neuroscience*

**Researcher:** Sujatha Krishnan-Barman | Antonia F. de C. Hamilton

**Title of Paper/Research:** [Adults imitate to send a social signal](#)

**Journal:** Cognition, Volume 187

**Date:** June, 2019

## University of Coimbra

*Coimbra Institute for Biomedical Imaging  
and Life Sciences*

*Faculty of Medicine*

## Polytechnic Institute of Coimbra

**Researcher:** Joao Castelhana | Isabel C. Duarte | Carlos Ferreira | Joao Duraes

Henrique Madeira | Miguel Castelo-Branco

**Title of Paper/Research:** [The role of the insula in intuitive expert bug detection in computer code: an fMRI study](#)

**Journal:** Brain Imaging and Behavior

**Date:** June, 2019

**Northeastern University**

*Department of Physical Therapy, Movement,  
and Rehabilitation Science*

**The Jerzy Kukuczka Academy of Physical  
Education**

*Department of Human Motor Behavior*

**Lafayette College**

*Psychology Department*

**Northeastern University**

*Department of Electrical and Computer  
Engineering*

**New Jersey Institute of Technology**

*Department of Biomedical Engineering*

**Rutgers University**

*Department of Rehabilitation and Movement  
Science*

**Northeastern University**

*Department of Bioengineering*

**Researcher:** Mariusz P. Furmanek | Luis F. Schettino | Mathew Yarossi | Sofia Kirkman  
Sergei V. Adamovich | Eugene Tunik

**Title of Paper/Research:** [Coordination of reach-to-grasp in physical and haptic-free virtual environments](#)

**Journal:** Journal of NeuroEngineering and Rehabilitation

**Date:** June, 2019

**University of Bremen**

*Cognitive Neuroinformatics*

**Researcher:** Jaime Leonardo Maldonado Cañón | Thorsten Kluss | Christoph Zetsche

**Title of Paper/Research:** Adaptivity of End Effector Motor Control Under Different Sensory Conditions: Experiments With Humans in Virtual Reality and Robotic Applications

**Journal:** Frontiers in Robotics and AI

**Date:** July, 2019

**University College London**

*Institute of Behavioural Neuroscience*

**University of Kent**

*School of Psychology*

**University of the Basque Country**

*School of Psychology*

**University College London**

*Institute of Cognitive Neuroscience*

**Durham University, Durham, UK**

*Department of Psychology*

**University of East Anglia**

*School of Psychology*

**University Hospital Magdeburg**

*Institute of Cognitive Neurology and  
Dementia Research*

**Max Planck Institute**

*Biological Cybernetics*

**Researcher:** Amir-Homayoun Javadi | Eva Zita Patai | Eugenia Marin-Garcia | Aaron Margois  
Heng-Ru M. Tan | Dharshan Kumaran | Marko Nardini | Will Penny | Emrah Duzel | Peter Dayan  
Hugo J. Spiers

**Title of Paper/Research:** Backtracking during navigation is correlated with enhanced anterior cingulate activity and suppression of alpha oscillations and the 'default-mode' network

**Journal:** Proceedings of the Royal Society B: Biological Sciences

**Date:** July, 2019

**West Virginia University**

*Department of Neuroscience*

*Department of Human Performance*

**Imperial College London**

*Department of Medicine*

**Researcher:** R. L. Hardesty | P. H. Ellaway | V. Gritsenko

**Title of Paper/Research:** [Distinct Proximal and Distal Corticospinal Signals Embed Limb Dynamics Through the Modulation of Stiffness](#)

**Journal:** bioRxiv, The Preprint Server for Biology

**Date:** August, 2019

**University of British Columbia**

*School of Kinesiology*

**University of British Columbia and Vancouver Coastal Health**

*Pacific Parkinson's Research Centre, Djavad Mowafaghian Centre for Brain Health*

**York University**

*School of Kinesiology and Health Science*

**Radboud University Medical Center**

*Department of Neurology, Donders Institute for Brain, Cognition and Behaviour*

**University of British Columbia**

*Djavad Mowafaghian Centre for Brain Health  
International Collaboration on Repair Discoveries*

**Researcher:** Elizabeth P. Pasman | Martin J. McKeown | Taylor W. Cleworth

Bastiaan R. Bloem | J. Timothy Inglis | Mark G. Carpenter

**Title of Paper/Research:** [A Novel MRI Compatible Balance Simulator to Detect Postural Instability in Parkinson's Disease](#)

**Journal:** Frontiers in Neurology

**Date:** August, 2019

**German Center for Neurodegenerative Diseases (DZNE)**

*Aging and Cognition Research Group*

**Otto-von-Guericke-University Magdeburg**

*Department of Neurology, Medical Faculty*

**Center for Behavioral Brain Sciences**

**Researcher:** J. P. Shine | J. P. Valdés-Herrera | C. Tempelmann & T. Wolbers

**Title of Paper/Research:** [Evidence for allocentric boundary and goal direction information in the human entorhinal cortex and subiculum](#)

**Journal:** Nature Communications volume 10, Article number: 4004 (2019)

**Date:** September, 2019

**Maastricht University**

*Department of Cognitive Neuroscience*

**University of Copenhagen**

*Department of Neuroscience and Pharmacology*

**Yale University**

*Department of Radiology and Biomedical Imaging*

**University College London**

*Department of Computer Science*

**Researcher:** Kiki van der Heijden | Elia Formisano | Giancarlo Valente | Minye Zhan  
Ron Kupers | Beatrice de Gelder

**Title of Paper/Research:** [Reorganization of Sound Location Processing in the Auditory Cortex of Blind Humans](#)

**Journal:** Cerebral Cortex

**Date:** September, 2019

**Rochester Institute of Technology**

*Chester F. Carlson Center for Imaging Science*

**Researcher:** Kamran Binaee | Gabriel Diaz

**Title of Paper/Research:** [Movements of the eyes and hands are coordinated by a common predictive strategy](#)

**Journal:** Journal of Vision October 2019, Vol.19, 3.

**Date:** October, 2019

**University College London**

*Institute of Cognitive Neuroscience*

**Goldsmiths University of London**

*Computing Department*

**Researcher:** Joanna Hale | Jamie A. Ward | Francesco Buccheri | Dominic Oliver  
Antonia F. de C. Hamilton

**Title of Paper/Research:** [Are You on My Wavelength? Interpersonal Coordination in Dyadic Conversations](#)

**Journal:** Journal of Nonverbal Behavior volume 44

**Date:** October, 2019

**Rochester Institute of Technology**

*Chester F. Carlson Center for Imaging Science*

**Researcher:** Kamran Binaee

**Title of Paper/Research:** [Study of Human Hand-eye Coordination Using Machine Learning Techniques in a Virtual Reality Setup](#)

**Journal:** Rochester Institute of Technology, ProQuest Dissertations Publishing, 2019

**Date:** October, 2019

**University College London**

*Institute of Cognitive Neuroscience*

*Wellcome Trust Centre for Neuroimaging*

**Researcher:** Tian Ye | Stephen M Fleming | Antonia F. de C. Hamilton

**Title of Paper/Research:** [Spontaneous attribution of false beliefs in adults examined using a signal detection approach](#)

**Journal:** Quarterly Journal of Experimental Psychology

**Date:** November, 2019

**German Center for Neurodegenerative Diseases (DZNE)**

*Aging & Cognition Research Group*

**University of Leipzig**

*Institute of Psychology*

**Otto-von-Guericke University**

*Center for Behavioural Brain Sciences*

**Otto-von-Guericke-University**

*Medical Faculty, University Hospital  
Magdeburg*

**Researcher:** Xiaoli Chen | Paula Vieweg | Thomas Wolbers

**Title of Paper/Research:** Computing distance information from landmarks and self-motion cues - Differential contributions of anterior-lateral vs. posterior-medial entorhinal cortex in humans

**Journal:** NeuroImage, Volume 202

**Date:** November, 2019

**Kennedy Krieger Institute**

*Center for Movement Studies*

**The Johns Hopkins University School of Medicine**

*Department of Biomedical Engineering*

**The Johns Hopkins University School of Medicine**

*Department of Physical Medicine and  
Rehabilitation*

**The Johns Hopkins University School of Medicine**

*Department of Neuroscience*

**Researcher:** Kevin A. Day | Kendra M. Cherry-Allen | Amy J. Bastian

**Title of Paper/Research:** Individualized feedback to change multiple gait deficits in chronic stroke

**Journal:** Journal of NeuroEngineering and Rehabilitation

**Date:** December, 2019

## Kennedy Krieger Institute

*Center for Movement Studies*

## Johns Hopkins University School of Medicine

*Department of Biomedical Engineering*

*Department of Neuroscience*

**Researcher:** Kevin A. Day | Amy J. Bastian

**Title of Paper/Research:** [Providing low-dimensional feedback of a high-dimensional movement allows for improved performance of a skilled walking task](#)

**Journal:** Scientific Reports

**Date:** December, 2019

## Kobe University

*Japan Society for the Promotion of Science,  
and Graduate School of Human Development  
and Environment*

**Researcher:** Tian Ye | Fumikazu Furumi | Daniel Silva | Antonia Hamilton

**Title of Paper/Research:** [Taking the perspectives of many people: humanization matters](#)

**Journal:** PsyArXiv PrePrints

**Date:** January, 2020

## University College London

*Institute of Cognitive Neuroscience*

**Researcher:** Alexander Bexter | Björn M. Kampa

**Title of Paper/Research:** [Mazemaster: An open-source python-based software package for controlling virtual reality experiments](#)

**Journal:** bioRxiv

**Date:** January, 2020

## Institute of Biology II, RWTH Aachen University

*Molecular and Systems Neurophysiology*

**University of Muenster**

*Otto Creutzfeldt Center for Cognitive and  
Behavioral Neuroscience*

**Researcher:** Luke Bölling | Niklas Stein | Frank Steinicke | Markus Lappe

**Title of Paper/Research:** [Shrinking Circles: Adaptation to Increased Curvature Gain in Redirected Walking](#)

**Journal:** IEEE Transactions on Visualization and Computer Graphics, vol. 25

**Date:** February, 2020

**University of Louisville**  
**Indian Institute of Technology Gandhinagar**  
**Vanderbilt University**

**Researcher:** Karla Conn Welch | Uttama Lahiri | Zachary E. Warren | Nilanjan Sarkar  
**Title of Paper/Research:** [A System to Measure Physiological Response During Social Interaction in VR for Children With ASD](#)  
**Journal:** Computational Models for Biomedical Reasoning and Problem Solving  
**Date:** April, 2019

**Indian Institute of Technology, Gandhinagar**  
*Cognitive Science*  
*Electrical Engineering*

**Researcher:** Vishav Jyoti | Sanika Gupta | Uttama Lahiri  
**Title of Paper/Research:** [Virtual Reality based Avatar-mediated Joint Attention Task for Children with Autism: Implication on Performance and Physiology](#)  
**Journal:** 2019 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT)  
**Date:** June, 2019

**Virginia Commonwealth University**  
*Department of Physical Therapy*

**Université Laval**

*Department of Neuroscience*

**Ohio University, College of Arts & Sciences**  
*Department of Psychology*

**Researcher:** Susanne M. van der Veen | Martine Bordeleau | Peter E. Pidcoe | Christopher R. France | James S. Thomas  
**Title of Paper/Research:** [Agreement Analysis between Vive and Vicon Systems to Monitor Lumbar Postural Changes](#)  
**Journal:** Sensors 2019, 19(17), 3632  
**Date:** August, 2019

**Leibniz Research Centre for Working Environment and Human Factors**

*Department of Ergonomics*

**Researcher:** Thorsten Plewan | Gerhard Rinkenauer

**Title of Paper/Research:** Allocation of attention in 3D space is adaptively modulated by relative position of target and distractor stimuli

**Journal:** Attention, Perception, & Psychophysics

**Date:** November, 2019

**National Institutes of Health**

*Social and Behavioral Research Branch*

**National Human Genome Research Institute**

*Basic Biobehavioral and Psychological Sciences Branch*

**National Cancer Institute**

**Researcher:** Susan Persky | William D. Kistler | William M.P. Klein | Rebecca A. Ferrer

**Title of Paper/Research:** [Internet Versus Virtual Reality Settings for Genomics Information Provision](#)

**Journal:** Cyberpsychology, Behavior, and Social Networking VOL. 22, NO. 1

**Date:** January, 2019

**National Research Council Canada**

**Brown University**

*Department of Cognitive, Linguistic, and Psychological Sciences*

**University of Wisconsin-Madison**

*Department of Psychology and Wisconsin Institute for Discovery*

**Researcher:** Max Kinader | William H. Warren | Karen B. Schloss

**Title of Paper/Research:** [What color are emergency exit signs? Egress behavior differs from verbal report](#)

**Journal:** Psychology of Violence

**Date:** February, 2019

**University of Guelph**

*Psychology Department*

**Researcher:** Barbara A. Morrongiello | Mackenzie Seasons | Katherine McAuley  
Stephanie Koutsoulianos

**Title of Paper/Research:** [Child pedestrian behaviors: Influence of peer social norms and correspondence between self-reports and crossing behaviors](#)

**Journal:** Journal of Safety Research, Volume 68

**Date:** February, 2019

## Tsinghua University

*Department of Psychology*

**Researcher:** Jichengsi Guo | Jianping Huang | Xiaoang Wan

**Title of Paper/Research:** [Influence of route decision-making and experience on human path integration](#)

**Journal:** Acta Psychologica, Volume 193

**Date:** February, 2019

## University of Zurich

*Department of Geography  
Department of Humanities*

**Researcher:** Sascha Credé | Tyler Thrash | Christoph Hölscher | Sara Irina Fabrikant

**Title of Paper/Research:** [The acquisition of survey knowledge for local and global landmark configurations under time pressure](#)

**Journal:** Spatial Cognition & Computation- An Interdisciplinary Journal  
Volume 19, 2019 - Issue 3

**Date:** February, 2019

## University of California, Santa Barbara

*Department of Psychological and Brain  
Sciences*

**Researcher:** Peri Gunalp | Tara Moossaian | Mary Hegarty

**Title of Paper/Research:** [Spatial perspective taking: Effects of social, directional, and interactive cues](#)

**Journal:** Memory & Cognition volume 47

**Date:** February, 2019

## University of Guelph

*Psychology Department*

**Researcher:** Barbara A. Morrongiello | Mackenzie Seasons | Katherine McAuley  
Stephanie Koutsoulanos

**Title of Paper/Research:** Child pedestrian behaviors: Influence of peer social norms and correspondence between self-reports and crossing behaviors

**Journal:** Journal of Safety Research, Volume 68

**Date:** February, 2019

## Iowa State University

*Department of Psychology*

**Researcher:** Jonathan W. Kelly | Brenna C. Klesel | Lucia A. Cherep

**Title of Paper/Research:** Visual Stabilization of Balance in Virtual Reality Using the HTC Vive

**Journal:** ACM Journals, ACM Transactions on Applied Perception, Vol. 16, No. 2

**Date:** April, 2019

## University of Osnabrück

*Cognitive Science*

**Researcher:** Viviane Clay | Peter König | Sabine König

**Title of Paper/Research:** Eye Tracking in Virtual Reality

**Journal:** Journal of Eye Movement Research

**Date:** April, 2019

**University of Campania L. Vanvitelli**

*Department of Psychology*

**Researcher:** Gennaro Ruggiero | Mariachiara Rapuano | Tina Iachini

**Title of Paper/Research:** Perceived temperature modulates peripersonal and interpersonal spaces differently in men and women

**Journal:** Journal of Environmental Psychology

**Date:** April, 2019

**Justus Liebig University Giessen**

*Experimental Psychology*

**Researcher:** Harun Karimpur | Yaniv Morgenstern | Katja Fiehler

**Title of Paper/Research:** Facilitation of allocentric coding by virtue of object-semantics

**Journal:** Scientific Reports

**Date:** April, 2019

**University of Leeds**

*School of Psychology*

*Centre for Immersive Technologies*

**Researcher:** Jack Brookes | Matthew Warburton | Mshari Alghadier | Mark Mon-Williams  
Faisal Mushtaq

**Title of Paper/Research:** Studying human behavior with virtual reality: The Unity Experiment Framework

**Journal:** Behavior Research Methods (2019)

**Date:** April, 2019

## Hanyang University

*Department of Computer Science*

## Yonsei University

*Department of Psychiatry and Institute of Behavioral Science in Medicine*

## University of California (UC) Davis

*School of Education and MIND Institute*

**Researcher:** Seung-hun Seo | Eunjoo Kim | Peter Mundy | Jiwoong Heo  
Kwanguk (Kenny) Kim

**Title of Paper/Research:** [Joint Attention Virtual Classroom: A Preliminary Study](#)

**Journal:** Psychiatry Investigation

**Date:** April, 2019

## University of Guelph

*Department of Psychology*

**Researcher:** Barbara A Morrongiello | Michael Corbett | Stephanie Koutsoulianos  
Avianna Foster

**Title of Paper/Research:** [Effects of Peers on Child Pedestrian Behaviors in a Virtual Traffic Context](#)

**Journal:** Journal of Pediatric Psychology, Volume 44, Issue 4

**Date:** May, 2019

## Oregon State University

*School of Psychological Science*

## University of California, Santa Barbara

*Department of Psychological and Brain Sciences*

## Swiss Federal Institute of Technology

*Department of Information Technology and Electrical Engineering*

**Researcher:** Kristen L. Macuga | Andrew C. Beall | Roy S. Smith | Jack M. Loomis

**Title of Paper/Research:** [Visual control of steering in curve driving](#)

**Journal:** Journal of Vision

**Date:** May, 2019

**University of Guelph**  
*Psychology*

**Researcher:** Barbara A Morrongiello | Michael Corbett | Stephanie Koutsoulianos  
Avianna Foster

**Title of Paper/Research:** [Effects of Peers on Child Pedestrian Behaviors in a Virtual Traffic Context](#)

**Journal:** Journal of Pediatric Psychology, Volume 44, Issue 4

**Date:** May, 2019

**University of Milan**  
*Department of Philosophy*

**University of Padua**  
*Department of Philosophy, Sociology,  
Education, and Applied Psychology*

**Researcher:** Samuele Iaquinto | Giuseppe Spolaore

**Title of Paper/Research:** [Outline of a logic of knowledge of acquaintance](#)

**Journal:** Analysis, Volume 79, Issue 1

**Date:** June, 2019

**Cardiff University**  
*School of Psychology*

**Researcher:** Danlu Cen | Simon K. Rushton | Seralynne D. Vann

**Title of Paper/Research:** [Neither the richness of optic flow, nor the precision of heading judgements, predicts walking trajectories](#)

**Journal:** PsyArXiv PrePrints

**Date:** June, 2019

## University of Southern California

*Division of Biokinesiology and Physical Therapy*

## Simon Fraser University

*Department of Biomedical Physiology and Kinesiology*

**Researcher:** Natalia Sánchez | Surabhi N. Simha | J. Maxwell Donelan | James M. Finley

**Title of Paper/Research:** [Taking advantage of external mechanical work to reduce metabolic cost: the mechanics and energetics of split-belt treadmill walking](#)

**Journal:** The Journal of Physiology

**Date:** June, 2019

## University of California, Santa Barbara

*Geography*

**Researcher:** Elizabeth Chrastil | Grace Nicora | Andrew Huang

**Title of Paper/Research:** [Vision and body-based cues make equal contributions to path integration in a novel homing task](#)

**Journal:** Cognition

**Date:** June, 2019

## University of Leeds

*School of Psychology  
Institute of Transport Studies*

**Researcher:** Richard Wilkie | Callum Mole | Oscar Giles | Natasha Merat | Richard Romano  
Gustav Markkula

**Title of Paper/Research:** [Cognitive Load During Automation Affects Gaze Behaviours and Transitions to Manual Steering Control](#)

**Journal:** The 10th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design

**Date:** June, 2019

## University of Leeds

*School of Psychology*

*Institute of Transport Studies*

**Researcher:** Callum Mole | Oscar Giles | Natasha Merat | Richard Romano | Gustav Markkula  
Richard Wilkie

**Title of Paper/Research:** [Where You Look During Automation Influences Where You Steer After Take-Over](#)

**Journal:** Proceedings of the Tenth International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design

**Date:** June, 2019

## German Center for Neurodegenerative Diseases

### University of Alberta

*Department of Psychology*

**Researcher:** Ruojing Zhou | Weimin Mou

**Title of Paper/Research:** [Boundary shapes guide selection of reference points in goal localization](#)

**Journal:** Attention, Perception, & Psychophysics

**Date:** June, 2019

## University of Leeds

*Department of Linguistics & Phonetics*

## University of Surrey

*School of Psychology*

## Université de Lille

*Psychologie : Interactions Temps Émotions  
Cognition*

## University Of Sheffield

*Department of Psychology*

**Researcher:** Jamie Lingwood | Emily Farran | Yannick Courbois | Mark Blades

**Title of Paper/Research:** [Using virtual environments to investigate wayfinding in adults](#)

**Journal:** OSF Preprints

**Date:** June, 2019

**University of Texas at Austin**

*School of Information*

**Stanford University**

*Department of Communication*

*Graduate School of Education*

**University of Wisconsin-Whitewater**

*Department of Psychology*

**Researcher:** Jakki O. Bailey | Jeremy N. Bailenson | Jelena Obradovic | Naomi R. Aguiar

**Title of Paper/Research:** [Virtual reality's effect on children's inhibitory control, social compliance, and sharing](#)

**Journal:** Journal of Applied Developmental Psychology, Volume 64

**Date:** July, 2019

**National Human Genome Research Institute**

*Social & Behavioral Research Branch*

**Researcher:** Haley E. Yaremych | William D. Kistler | Niraj Trivedi | Susan Persky

**Title of Paper/Research:** [Path Tortuosity in Virtual Reality: A Novel Approach for Quantifying Behavioral Process in a Food Choice Context](#)

**Journal:** Cyberpsychology, Behavior, and Social Networking Vol. 22, No. 7

**Date:** July, 2019

**Durham University**

*Department of Psychology*

**Birkbeck, University of London**

*Department of Psychological Sciences*

**University of Oxford**

*Department of Experimental Psychology,  
Medical Sciences Division*

**University of Texas at Austin**

*Center for Learning and Memory*

**Researcher:** James Negen | Brittney Chere | Laura-Ashleigh Bird | Ellen Taylor

Hannah E. Roome | Samantha Keenagh | Lore Thaler | Marko Nardin

**Title of Paper/Research:** [Sensory cue combination in children under 10 years of age](#)

**Journal:** Cognition

**Date:** July, 2019

## University of Michigan

*School of Kinesiology*

*Department of Biomedical Engineering*

**Researcher:** Brian J. Diefenbach | David B. Lipps

**Title of Paper/Research:** Quantifying the three-dimensional joint position sense of the shoulder

**Journal:** Human Movement Science, Volume 67

**Date:** August, 2019

## University of Bern

*Institute of Psychology*

## Swiss Distance Learning University

**Researcher:** Stefan Weber | Fred W. Mast | David Weibel

**Title of Paper/Research:** Body size illusions influence perceived size of objects: a validation of previous research in virtual reality

**Journal:** Virtual Reality

**Date:** August, 2019

## Georgia Institute of Technology

*School of Psychology*

## Vanderbilt University

*Department of Psychology*

*Electrical Engineering and Computer Science*

## The Pennsylvania State University

*Department of Geography*

**Researcher:** Qiliang He | Timothy P. McNamara | Bobby Bodenheimer | Alexander Klippel

**Title of Paper/Research:** Acquisition and transfer of spatial knowledge during wayfinding.

**Journal:** Journal of Experimental Psychology: Learning, Memory, and Cognition, 45(8)

**Date:** August, 2018

## University of Alberta

*Department of Psychology*

**Researcher:** Lin Wang | Weimin Mou

**Title of Paper/Research:** Effect of room size on geometry and features cue preference during reorientation: Modulating encoding strength or cue weighting

**Journal:** Quarterly Journal of Experimental Psychology

**Date:** September, 2019

## Oregon State University

*School of Psychological Science*

**Researcher:** Joshua D.Bell | Kristen L.Macuga

**Title of Paper/Research:** Goal-directed aiming under restricted viewing conditions with confirmatory sensory feedback

**Journal:** Human Movement Science Volume 67

**Date:** September, 2019

## Durham University

*Department of Psychology*

## University of Verona

*Department of Neurosciences, Biomedicine and Movement Sciences*

**Researcher:** James Negen | Angela Sandri | Sang Ah Lee | Marko Nardini

**Title of Paper/Research:** Boundaries in spatial cognition: Looking like a boundary is more important than being a boundary.

**Journal:** Journal of Experimental Psychology. Learning, Memory and Cognition

**Date:** September, 2019

## Korea Advanced Institute of Science and Technology

*Department of Bio and Brain Engineering*

**George Mason University**

*Department of Psychology*

**Georgetown University**

*Department of Psychology*

**Researcher:** Eva Robinson | Kelly Michaelis | James C.Thompson | Martin Wiener

**Title of Paper/Research:** [Temporal and spatial discounting are distinct in humans](#)

**Journal:** Cognition, Volume 190

**Date:** September, 2019

**Johannes Gutenberg-Universität Mainz**

*Psychologisches Institut, Abteilung  
Allgemeine Experimentelle Psychologie*

**Researcher:** Christoph von Castell | Heiko Hecht

**Title of Paper/Research:** [Wall patterns influence the perception of interior space](#)

**Journal:** Quarterly Journal of Experimental Psychology

**Date:** October, 2019

**Capital Normal University**

*College of Psychology*

**Researcher:** Aili Shi | Yamin Wang | Nan Ding

**Title of Paper/Research:** [The effect of game-based immersive virtual reality learning environment on learning outcomes: designing an intrinsic integrated educational game for pre-class learning](#)

**Journal:** Interactive Learning Environments

**Date:** October, 2019

## Technische Universität

*Faculty of Psychology*

**Researcher:** Rebekka S. Schubert | Maarten L. Jung | Jens R. Helmert

**Title of Paper/Research:** Size matters: How reaching and vergence movements are influenced by the familiar size of stereoscopically presented objects

**Journal:** PLOS One. A Peer-Reviewed, Open Access Journal

**Date:** November, 2019

## Durham University

*Department of Psychology*

**Researcher:** James Negen | Laura Bird | Marko Nardini

**Title of Paper/Research:** An Adaptive Cue Selection Model of Allocentric Spatial Reorientation

**Journal:** bioRxiv

**Date:** November, 2019

## University Mainz

*Department of Psychology*

*Department of Child and Adolescent  
Psychiatry and Psychotherapy*

**Researcher:** Robin Welsch | Heiko Hecht | David R. Kolar | Michael Witthöft  
Tanja Legenbauer

**Title of Paper/Research:** Body image avoidance affects interpersonal distance perception:  
A virtual environment experiment

**Journal:** European Eating Disorders Review

**Date:** December, 2019

## University Bochum

*LWL University Hospital Hamm for Child and  
Adolescent Psychiatry, Psychotherapy and  
Psychosomatic*

## Tel Aviv University

*The School of Psychological Sciences  
The Sagol School of Neuroscience*

**Researcher:** Noa Simhi | Galit Yovel

**Title of Paper/Research:** [Dissociating identity from gait: A virtual reality study of the role of dynamic identity signatures in person recognition](#)

**Journal:** PsyArXiv PrePrints

**Date:** December, 2019

## University of Campania L. Vanvitelli

*Department of Psychology*

**Researcher:** G Ruggiero | Ruotolo, F | Iachini, T.

**Title of Paper/Research:** [Being Like You Improves My Comfort Space: Social Human-Virtual Confederates Interactions](#)

**Journal:** CEUR Workshop Proceedings

**Date:** 2019

## Maastricht University

*Clinical Psychological Science, Faculty of  
Psychology and Neuroscience*

## Catholic University of Leuven

*Leuven Institute of Criminology*

**Researcher:** Daniël van Helvoort | Emil Stobbe | Richard Benning | Henry Otgaar  
Vincent van de Ven

**Title of Paper/Research:** [Physical exploration of a virtual reality environment: Effects on spatiotemporal associative recognition of episodic memory](#)

**Journal:** Memory and Cognition

**Date:** January 2020

## Southwest University

*Key Laboratory of Personality and Cognition,  
Faculty of Psychological Science*

## Leiden University

*Cognitive Psychology Unit, Institute for  
Psychological Research and Leiden Institute  
for Brain and Cognition*

**Researcher:** Ke Ma | Bernhard Hommel

**Title of Paper/Research:** Metacontrol and body ownership: divergent thinking increases the virtual hand illusion

**Journal:** Psychological Research volume 84

**Date:** February, 2020

WorldViz is the industry leader in turnkey interactive visualization and simulation solutions for the enterprise. For over a decade, more than 1,500 customers, including leading universities and Fortune 500 companies have chosen WorldViz to drive business development and product innovation.

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