

Documents

Export Date: 11 Jul 2017

Search: ABS (("locomotion" OR "navigation technique") AND ("empi...

- 1) Grechkin, T.Y., Plumert, J.M., Kearney, J.K.
[Dynamic affordances in embodied interactive systems: The role of display and mode of locomotion](#)
(2014) IEEE Transactions on Visualization and Computer Graphics, 20 (4), art. no. 6777453, pp. 596-605. Cited 6 times.
DOI: 10.1109/TVCG.2014.18

Document Type: Article
Source: Scopus

[IEEE Symposium on 3D User Interfaces 2014, 3DUI 2014 - Proceedings](#)
- 2) (2014) IEEE Symposium on 3D User Interfaces 2014, 3DUI 2014 - Proceedings, 208 p.

Document Type: Conference Review
Source: Scopus
- 3) Skopp, N.A., Smolenski, D.J., Metzger-Abamukong, M.J., Rizzo, A.A., Reger, G.M.
[A Pilot Study of the VirtuSphere as a Virtual Reality Enhancement](#)
(2014) International Journal of Human-Computer Interaction, 30 (1), pp. 24-31. Cited 2 times.
DOI: 10.1080/10447318.2013.796441

Document Type: Article
Source: Scopus
- 4) Schrom-Feiertag, H., Schinko, C., Settgast, V., Seer, S.
[Evaluation of guidance systems in public infrastructures using eye tracking in an immersive virtual environment](#)
(2014) CEUR Workshop Proceedings, 1241, pp. 62-66. Cited 3 times.

Document Type: Conference Paper
Source: Scopus
- 5) Marsh, W.E., Kelly, J.W., Dickerson, J., Oliver, J.H.
[Fuzzy navigation engine: Mitigating the cognitive demands of semi-natural locomotion](#)
(2014) Presence: Teleoperators and Virtual Environments, 23 (3), pp. 300-319.
DOI: 10.1162/PRES_a_00195

Document Type: Article

Source: Scopus

6) Mestre, D.R.

[Evaluation of navigation interfaces in virtual environments](#)

(2014) Proceedings of SPIE - The International Society for Optical Engineering, 9012, art. no.

901207, .

DOI: 10.1117/12.2042141

Document Type: Conference Paper

Source: Scopus

7) Moya, S., Grau, S., Tost, D.

[First-person locomotion in 3D virtual environments: A usability analysis](#)

(2014) Journal of Universal Computer Science, 20 (7), pp. 1026-1045. Cited 1 time.

Document Type: Article

Source: Scopus

8) Marsh, W.E., Chardonnet, J.-R., Merienne, F.

[Virtual distance estimation in a CAVE](#)

(2014) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 8684 LNAI, pp. 354-369. Cited 2 times.

DOI: 10.1007/978-3-319-11215-2_25

Document Type: Conference Paper

Source: Scopus

9) Turchet, L.

[Custom made wireless systems for interactive footstep sounds synthesis](#)

(2014) Applied Acoustics, 83, pp. 22-31. Cited 6 times.

DOI: 10.1016/j.apacoust.2014.03.005

Document Type: Article

Source: Scopus

10) Nilsson, N.C., Serafin, S., Nordahl, R.

[A comparison of different methods for reducing the unintended positional drift accompanying walking-in-place locomotion](#)

(2014) IEEE Symposium on 3D User Interfaces 2014, 3DUI 2014 - Proceedings, art. no. 6798850,

pp. 103-110. Cited 2 times.

DOI: 10.1109/3DUI.2014.6798850

Document Type: Conference Paper

Source: Scopus

11) Grechkin, T.Y., Riecke, B.E.

[Re-evaluating benefits of body-based rotational cues for maintaining orientation in virtual environments: Men benefit from real rotations, women don't](#)

(2014) Proceedings of the ACM Symposium on Applied Perception, SAP 2014, pp. 99-102. Cited 4 times.

DOI: 10.1145/2628257.2628275

Document Type: Conference Paper

Source: Scopus

12) George, P., Kemeny, A., Colombet, F., Merienne, F., Chardonnet, J.-R., Thouvenin, I.M.

[Evaluation of smartphone-based interaction techniques in a CAVE in the context of immersive digital project review](#)

(2014) Proceedings of SPIE - The International Society for Optical Engineering, 9012, art. no. 901203, .

DOI: 10.1117/12.2038237

Document Type: Conference Paper

Source: Scopus

13) Evangelista, G.

[Design and modeling of a mobile research platform based on hexapod robot with embedded system and interactive control](#)

(2014) 2014 19th International Conference on Methods and Models in Automation and Robotics, MMAR 2014, art. no. 6957367, pp. 294-299.

DOI: 10.1109/MMAR.2014.6957367

Document Type: Conference Paper

Source: Scopus

14) Zhang, H., Zhang, K.

[How people use visual landmarks for locomotion distance estimation: The case study of eye tracking](#)

(2014) Advances in Intelligent Systems and Computing, 213, pp. 87-97.

DOI: 10.1007/978-3-642-37829-4_8

Document Type: Conference Paper

Source: Scopus

- 15) Nilsson, N.C., Serafin, S., Nordahl, R.
[Establishing the range of perceptually natural visual walking speeds for virtual walking-in-place locomotion](#)

(2014) IEEE Transactions on Visualization and Computer Graphics, 20 (4), art. no. 6777444, pp.

569-578. Cited 16 times.

DOI: 10.1109/TVCG.2014.21

Document Type: Article

Source: Scopus

- 16) Mujika, A., De Mauro, A., Robin, G., Epelde, G., Oyarzun, D.
[A physically-based simulation of a caenorhabditis elegans](#)
(2014) 22nd International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision, WSCG 2014, Full Papers Proceedings - in co-operation with EUROGRAPHICS Association, pp. 177-184. Cited 2 times.

Document Type: Conference Paper

Source: Scopus

- 17) Nilsson, N.C., Serafin, S., Nordahl, R.
[A comparison of four different approaches to reducing unintended positional drift during walking-In-Place locomotion](#)

(2014) Proceedings - IEEE Virtual Reality, art. no. 6802071, pp. 101-102.

DOI: 10.1109/VR.2014.6802071

Document Type: Conference Paper

Source: Scopus

- 18) Bruder, G., Steinicke, F.
[Threefolded motion perception during immersive walkthroughs](#)
(2014) Proceedings of the ACM Symposium on Virtual Reality Software and Technology, VRST, pp. 177-185. Cited 4 times.

DOI: 10.1145/2671015.2671026

Document Type: Conference Paper

Source: Scopus

- 19) Yoon, J., Manurung, A., Kim, G.-S.

[Impedance control of a small treadmill with sonar sensors for automatic speed adaptation](#)

(2014) International Journal of Control, Automation and Systems, 12 (6), pp. 1323-1335. Cited 2

times.

DOI: 10.1007/s12555-013-0241-3

Document Type: Article

Source: Scopus

- 20) Kannape, O.A., Barré, A., Aminian, K., Blanke, O.

[Cognitive loading affects motor awareness and movement kinematics but not locomotor trajectories during goal-directed walking in a virtual reality environment](#)

(2014) PLoS ONE, 9 (1), art. no. e85560, . Cited 3 times.

DOI: 10.1371/journal.pone.0085560

Document Type: Article

Source: Scopus

- 21) Török, A., Sulykos, I., Kecskés-Kovács, K., Persa, G., Galambos, P., Kóbor, A., Czigler, I., Csépe, V., Baranyi, P., Honbolygó, F.

[Comparison between wireless and wired EEG recordings in a virtual reality lab: Case report](#)

(2014) 5th IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2014 -

Proceedings, art. no. 7020414, pp. 599-603. Cited 2 times.

DOI: 10.1109/CogInfoCom.2014.7020414

Document Type: Conference Paper

Source: Scopus

- 22) Brandt, T., Huppert, D.

[Fear of heights and visual height intolerance](#)

(2014) Current Opinion in Neurology, 27 (1), pp. 111-117. Cited 11 times.

DOI: 10.1097/WCO.0000000000000057

Document Type: Review

Source: Scopus

- 23) Ehinger, B.V., Fischer, P., Gert, A.L., Kaufhold, L., Weber, F., Pipa, G., König, P.

[Kinesthetic and vestibular information modulate alpha activity during spatial navigation: A mobile EEG study](#)

(2014) *Frontiers in Human Neuroscience*, 8 (1 FEB), art. no. 71, . Cited 15 times.

DOI: 10.3389/fnhum.2014.00071

Document Type: Article

Source: Scopus

- 24) Pickhinke, J., Chien, J.H., Mukherjee, M.

[Varying the speed of perceived self-motion affects postural control during locomotion](#)

(2014) *Studies in Health Technology and Informatics*, 196, pp. 319-324. Cited 1 time.

DOI: 10.3233/978-1-61499-375-9-319

Document Type: Conference Paper

Source: Scopus

[2015 IEEE Symposium on 3D User Interfaces, 3DUI 2015 - Proceedings](#)

- 25) (2015) 2015 IEEE Symposium on 3D User Interfaces, 3DUI 2015 - Proceedings, 217 p.

Document Type: Conference Review

Source: Scopus

- 26) Kim, J.-S., Gračanin, D., Yang, T., Quek, F.

[Action-transferred navigation technique design approach supporting human spatial learning](#)

(2015) *ACM Transactions on Computer-Human Interaction*, 22 (6), art. no. 30, . Cited 1 time.

DOI: 10.1145/2811258

Document Type: Article

Source: Scopus

- 27) Caggianese, G., Gallo, L., Neroni, P.

[Design and preliminary evaluation of Free-Hand travel techniques for wearable immersive virtual reality systems with egocentric sensing](#)

(2015) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9254, pp. 399-408. Cited 1 time.

DOI: 10.1007/978-3-319-22888-4_29

Document Type: Conference Paper

Source: Scopus

- 28) Ebrahimi, E., Altenhoff, B.M., Pagano, C.C., Babu, S.V.
[Carryover effects of calibration to visual and proprioceptive information on near field distance judgments in 3D user interaction](#)
(2015) 2015 IEEE Symposium on 3D User Interfaces, 3DUI 2015 - Proceedings, art. no. 7131732, pp. 97-104. Cited 2 times.
DOI: 10.1109/3DUI.2015.7131732

Document Type: Conference Paper
Source: Scopus
- 29) Nabiyouni, M., Scerbo, S., Devito, V., Smolen, S., Starrin, P., Bowman, D.A.
[Design and evaluation of a visual acclimation aid for a semi-natural locomotion device](#)
(2015) 2015 IEEE Symposium on 3D User Interfaces, 3DUI 2015 - Proceedings, art. no. 7131718, pp. 11-14. Cited 1 time.
DOI: 10.1109/3DUI.2015.7131718

Document Type: Conference Paper
Source: Scopus
- 30) Nabiyouni, M., Saktheeswaran, A., Bowman, D.A., Karanth, A.
[Comparing the performance of natural, semi-natural, and non-natural locomotion techniques in virtual reality](#)
(2015) 2015 IEEE Symposium on 3D User Interfaces, 3DUI 2015 - Proceedings, art. no. 7131717, pp. 3-10. Cited 6 times.
DOI: 10.1109/3DUI.2015.7131717

Document Type: Conference Paper
Source: Scopus
- 31) Guy, E., Punpongsanon, P., Iwai, D., Sato, K., Boubekeur, T.
[LazyNav: 3D ground navigation with non-critical body parts](#)
(2015) 2015 IEEE Symposium on 3D User Interfaces, 3DUI 2015 - Proceedings, art. no. 7131725, pp. 43-50. Cited 10 times.
DOI: 10.1109/3DUI.2015.7131725

Document Type: Conference Paper
Source: Scopus
- 32) Silva, W.H.S., Lopes, G.L.B., Yano, K.M., Tavares, N.S.A., Rego, I.A.O., Da Costa Cavalcanti, F.A.

[Effect of a rehabilitation program using virtual reality for balance and functionality of chronic stroke patients](#)

(2015) Motriz. Revista de Educacao Fisica, 21 (3), pp. 237-243. Cited 1 time.

DOI: 10.1590/S1980-65742015000300003

Document Type: Article

Source: Scopus

- 33) Sangani, S., Lamontagne, A., Fung, J.

[Cortical mechanisms underlying sensorimotor enhancement promoted by walking with haptic inputs in a virtual environment](#)

(2015) Progress in Brain Research, 218, pp. 313-330. Cited 4 times.

DOI: 10.1016/bs.pbr.2014.12.003

Document Type: Article

Source: Scopus

- 34) Faria, B.M., Reis, L.P., Lau, N., Moreira, A.P., Petry, M., Ferreira, L.M.

[Intelligent wheelchair driving: Bridging the gap between virtual and real intelligent wheelchairs](#)

(2015) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9273, pp. 445-456. Cited 2 times.

DOI: 10.1007/978-3-319-23485-4_44

Document Type: Conference Paper

Source: Scopus

- 35) Vu, D.-S., Foucault, S., Gosselin, C., Kovecses, J.

[Design of a locomotion interface for gait simulation based on belt-driven parallel mechanisms](#)

(2015) Proceedings - IEEE International Conference on Robotics and Automation, 2015-June (June),

art. no. 7139399, pp. 1581-1586.

DOI: 10.1109/ICRA.2015.7139399

Document Type: Conference Paper

Source: Scopus

- 36) Mujika, A., Leškovský, P., Epelde, G., Alvarez, R., Oyarzun, D.

[Neuronal activity visualization using biologically accurately placed neurons in WebGL](#)

(2015) NEUROTECHNIX 2015 - Proceedings of the 3rd International Congress on Neurotechnology,

Electronics and Informatics, pp. 91-96.

Document Type: Conference Paper

Source: Scopus

- 37) Bamdad, M., Zarshenas, H., Auais, M.A.

[Application of BCI systems in neurorehabilitation: A scoping review](#)

(2015) Disability and Rehabilitation: Assistive Technology, 10 (5), pp. 355-364. Cited 9 times.

DOI: 10.3109/17483107.2014.961569

Document Type: Review

Source: Scopus

- 38) Zhang, W., Niu, Z.J., Li, L.H., Hou, Y.R.

[Design and optimization of seedling-feeding device for automatic maize transplanter with maize straw seedling-sprouting tray](#)

(2015) International Journal of Agricultural and Biological Engineering, 8 (6), pp. 1-12. Cited 1 time.

DOI: 10.3965/j.ijabe.20150806.1113

Document Type: Article

Source: Scopus

- 39) Frost, R., Skidmore, J., Santello, M., Artemiadis, P.

[Sensorimotor control of gait: A novel approach for the study of the interplay of visual and proprioceptive feedback](#)

(2015) Frontiers in Human Neuroscience, 9 (FEB), art. no. 14, 8 p. Cited 2 times.

DOI: 10.3389/fnhum.2015.00014

Document Type: Article

Source: Scopus

- 40) Bruder, G., Lubas, P., Steinicke, F.

[Cognitive Resource Demands of Redirected Walking](#)

(2015) IEEE Transactions on Visualization and Computer Graphics, 21 (4), art. no. 7036075, pp. 539-544. Cited 13 times.

DOI: 10.1109/TVCG.2015.2391864

Document Type: Article

Source: Scopus

- 41) Schmidt, D., Kovacs, R., Mehta, V., Umapathi, U., Köhler, S., Cheng, L.-P., Baudisch, P.

[Level-Ups: Motorized stilts that simulate stair steps in virtual reality](#)

(2015) Conference on Human Factors in Computing Systems - Proceedings, 2015-April, pp. 2157-2160. Cited 3 times.

DOI: 10.1145/2702123.2702253

Document Type: Conference Paper

Source: Scopus

- 42) Kruijff, E., Riecke, B.E., Trepkowski, C., Kitson, A.

[Upper body leaning can affect forward self-motion perception in virtual environments](#)

(2015) SUI 2015 - Proceedings of the 3rd ACM Symposium on Spatial User Interaction, pp. 103-112.

Cited 4 times.

DOI: 10.1145/2788940.2788943

Document Type: Conference Paper

Source: Scopus

- 43) Nabiyouni, M., Saktheeswaran, A., Bowman, D.A., Karanth, A.

[Comparing the performance of natural, semi-natural, and non-natural locomotion techniques in virtual reality](#)

(2015) 2015 IEEE Virtual Reality Conference, VR 2015 - Proceedings, art. no. 7223386, pp. 243-244.

Cited 1 time.

DOI: 10.1109/VR.2015.7223386

Document Type: Conference Paper

Source: Scopus

- 44) Peckmezian, T., Taylor, P.W.

[A virtual reality paradigm for the study of visually mediated behaviour and cognition in spiders](#)

(2015) Animal Behaviour, 107, pp. 87-95. Cited 8 times.

DOI: 10.1016/j.anbehav.2015.06.018

Document Type: Article

Source: Scopus

- 45) Kluss, T., Marsh, W.E., Zetsche, C., Schill, K.

[Representation of impossible worlds in the cognitive map](#)

(2015) Cognitive Processing, 16, pp. 271-276. Cited 3 times.

DOI: 10.1007/s10339-015-0705-x

Document Type: Article

Source: Scopus

46) de la Rubia, E., Diaz-Estrella, A.

[Natural locomotion based on foot-mounted inertial sensors in a wireless virtual reality system](#)

(2015) Presence: Teleoperators and Virtual Environments, 24 (4), pp. 298-321.

DOI: 10.1162/PRES_a_00236

Document Type: Article

Source: Scopus

47) Turchet, L.

[Designing presence for real locomotion in immersive virtual environments: an affordance-based experiential approach](#)

(2015) Virtual Reality, 19 (3-4), pp. 277-290. Cited 5 times.

DOI: 10.1007/s10055-015-0267-3

Document Type: Article

Source: Scopus

48) Boustila, S., Capobianco, A., Bechmann, D.

[Evaluation of factors affecting distance perception in architectural project review in immersive virtual environments](#)

(2015) Proceedings of the ACM Symposium on Virtual Reality Software and Technology, VRST,

13-15-November-2015, pp. 207-216. Cited 1 time.

DOI: 10.1145/2821592.2821595

Document Type: Conference Paper

Source: Scopus

49) Carensac, S., Pronost, N., Bouakaz, S.

[Real-time gait control for partially immersed bipeds](#)

(2015) Proceedings of the 8th ACM SIGGRAPH Conference on Motion in Games, MIG 2015, pp.

177-182.

DOI: 10.1145/2822013.2822016

Document Type: Conference Paper

Source: Scopus

- 50) Luu, T.P., He, Y., Brown, S., Nakagome, S., Contreras-Vidal, J.L.
[A closed-loop brain computer interface to a virtual reality avatar: Gait adaptation to visual kinematic perturbations](#)
(2015) International Conference on Virtual Rehabilitation, ICVR, art. no. 7358598, pp. 30-37.
DOI: 10.1109/ICVR.2015.7358598

Document Type: Conference Paper
Source: Scopus
- 51) Bozgeyikli, E., Bozgeyikli, L., Raij, A., Katkooi, S., Alqasemi, R., Dubey, R.
[Virtual reality interaction techniques for individuals with autism spectrum disorder: Design considerations and preliminary results](#)
(2016) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9732, pp. 127-137.
DOI: 10.1007/978-3-319-39516-6_12

Document Type: Conference Paper
Source: Scopus
- 52) Borrego, A., Latorre, J., Llorens, R., Alcañiz, M., Noé, E.
[Feasibility of a walking virtual reality system for rehabilitation: Objective and subjective parameters](#)
(2016) Journal of NeuroEngineering and Rehabilitation, 13 (1), art. no. 68, . Cited 1 time.
DOI: 10.1186/s12984-016-0174-1

Document Type: Article
Source: Scopus
- 53) Zank, M., Kunz, A.
[Using Locomotion Models for Estimating Walking Targets in Immersive Virtual Environments](#)
(2016) Proceedings - 2015 International Conference on Cyberworlds, CW 2015, art. no. 7398420, pp. 229-236. Cited 4 times.
DOI: 10.1109/CW.2015.20

Document Type: Conference Paper
Source: Scopus
- 54) Luu, T.P., He, Y., Brown, S., Nakagame, S., Contreras-Vidal, J.L.
[Gait adaptation to visual kinematic perturbations using a real-time closed-loop brain-computer interface to a virtual reality avatar](#)
(2016) Journal of Neural Engineering, 13 (3), art. no. 036006, . Cited 6 times.

DOI: 10.1088/1741-2560/13/3/036006

Document Type: Article

Source: Scopus

55) Tanaka, R., Narumi, T., Tanikawa, T., Hirose, M.

[Guidance field: Potential field to guide users to target locations in virtual environments](#)

(2016) 2016 IEEE Symposium on 3D User Interfaces, 3DUI 2016 - Proceedings, art. no. 7460029,

pp. 39-48. Cited 4 times.

DOI: 10.1109/3DUI.2016.7460029

Document Type: Conference Paper

Source: Scopus

[2016 IEEE Symposium on 3D User Interfaces, 3DUI 2016 - Proceedings](#)

56) (2016) 2016 IEEE Symposium on 3D User Interfaces, 3DUI 2016 - Proceedings, 291 p.

Document Type: Conference Review

Source: Scopus

57) Tanaka, R., Narumi, T., Tanikawa, T., Hirose, M.

[Motive compass: Navigation interface for locomotion in virtual environments constructed with spherical images](#)

(2016) 2016 IEEE Symposium on 3D User Interfaces, 3DUI 2016 - Proceedings, art. no. 7460031,

pp. 59-62.

DOI: 10.1109/3DUI.2016.7460031

Document Type: Conference Paper

Source: Scopus

58) Zank, M., Kunz, A.

[Eye tracking for locomotion prediction in redirected walking](#)

(2016) 2016 IEEE Symposium on 3D User Interfaces, 3DUI 2016 - Proceedings, art. no. 7460030,

pp. 49-58. Cited 2 times.

DOI: 10.1109/3DUI.2016.7460030

Document Type: Conference Paper

Source: Scopus

- 59) Bonsch, A., Weyers, B., Wendt, J., Freitag, S., Kuhlen, T.W.
[Collision avoidance in the presence of a virtual agent in small-scale virtual environments](#)
(2016) 2016 IEEE Symposium on 3D User Interfaces, 3DUI 2016 - Proceedings, art. no. 7460045,
pp. 145-148. Cited 3 times.
DOI: 10.1109/3DUI.2016.7460045

Document Type: Conference Paper
Source: Scopus
- 60) Tregillus, S., Folmer, E.
[VR-STEP: Walking-in-place using inertial sensing for hands free navigation in mobile VR environments](#)
(2016) Conference on Human Factors in Computing Systems - Proceedings, pp. 1250-1255. Cited 7
times.
DOI: 10.1145/2858036.2858084

Document Type: Conference Paper
Source: Scopus
- 61) Tanaka, R., Narumi, T., Tanikawa, T., Hirose, M.
[Navigation interface for virtual environments constructed with spherical images](#)
(2016) Proceedings - IEEE Virtual Reality, 2016-July, art. no. 7504768, pp. 291-292.
DOI: 10.1109/VR.2016.7504768

Document Type: Conference Paper
Source: Scopus
- 62) Sun, Q., Wei, L.-Y., Kaufman, A.
[Mapping virtual and physical reality](#)
(2016) ACM Transactions on Graphics, 35 (4), art. no. a64, . Cited 3 times.
DOI: 10.1145/2897824.2925883

Document Type: Conference Paper
Source: Scopus
- [Proceedings of the ACM Symposium on Applied Perception, SAP 2016](#)
63) (2016) Proceedings of the ACM Symposium on Applied Perception, SAP 2016, 143 p.

Document Type: Conference Review
Source: Scopus

64) Nishi, A., Hoshino, K., Kajimoto, H.

[Straightening walking path using redirected walking technique](#)

(2016) SIGGRAPH 2016 - ACM SIGGRAPH 2016 Posters, art. no. a61, . Cited 1 time.

DOI: 10.1145/2945078.2945139

Document Type: Conference Paper

Source: Scopus

65) Donati, A.R.C., Shokur, S., Morya, E., Campos, D.S.F., Moioli, R.C., Gitti, C.M., Augusto, P.B., Tripodi, S., Pires, C.G., Pereira, G.A., Brasil, F.L., Gallo, S., Lin, A.A., Takigami, A.K., Aratanha, M.A., Joshi, S., Bleuler, H., Cheng, G., Rudolph, A., Nicoletis, M.A.L.

[Long-Term Training with a Brain-Machine Interface-Based Gait Protocol Induces Partial Neurological Recovery in Paraplegic Patients](#)

(2016) Scientific Reports, 6, art. no. 30383, . Cited 13 times.

DOI: 10.1038/srep30383

Document Type: Article

Source: Scopus

66) Tanner, E., Savadatti, S., Manning, B., Johnsen, K.

[Mobile tracked displays as engaging and effective learning platforms](#)

(2016) 2016 IEEE Virtual Reality Workshop on K-12 Embodied Learning through Virtual and Augmented Reality, KELVAR 2016, art. no. 7563678, pp. 22-27.

DOI: 10.1109/KELVAR.2016.7563678

Document Type: Conference Paper

Source: Scopus

67) Zank, M., Kunz, A.

[Where are you going? Using human locomotion models for target estimation](#)

(2016) Visual Computer, 32 (10), pp. 1323-1335.

DOI: 10.1007/s00371-016-1229-9

Document Type: Article

Source: Scopus

68) Bozgeyikli, E., Raij, A., Katkooi, S., Dubey, R.

[Locomotion in Virtual reality for individuals with autism spectrum disorder](#)

(2016) SUI 2016 - Proceedings of the 2016 Symposium on Spatial User Interaction, pp. 33-42.

DOI: 10.1145/2983310.2985763

Document Type: Conference Paper

Source: Scopus

- 69) Kruijff, E., Marquardt, A., Trepkowski, C., Lindeman, R.W., Hinkenjann, A., Maiero, J., Riecke, B.E.
[On your feet! Enhancing vection in leaning-based interfaces through multisensory stimuli](#)
(2016) SUI 2016 - Proceedings of the 2016 Symposium on Spatial User Interaction, pp. 149-158.

Cited 2 times.

DOI: 10.1145/2983310.2985759

Document Type: Conference Paper

Source: Scopus

- 70) Outram, B.I., Pai, Y.S., Fan, K., Minamizawa, K., Kunze, K.
[AnyOrbit: Fluid 6DOF spatial navigation of virtual environments using orbital motion](#)
(2016) SUI 2016 - Proceedings of the 2016 Symposium on Spatial User Interaction, p. 199.

DOI: 10.1145/2983310.2989195

Document Type: Conference Paper

Source: Scopus

[SUI 2016 - Proceedings of the 2016 Symposium on Spatial User Interaction](#)

- 71) (2016) SUI 2016 - Proceedings of the 2016 Symposium on Spatial User Interaction, 229 p.

Document Type: Conference Review

Source: Scopus

- 72) Bozgeyikli, E., Raij, A., Katkooi, S., Dubey, R.
[Point & Teleport locomotion technique for virtual reality](#)
(2016) CHI PLAY 2016 - Proceedings of the 2016 Annual Symposium on Computer-Human

Interaction in Play, pp. 205-216. Cited 4 times.

DOI: 10.1145/2967934.2968105

Document Type: Conference Paper

Source: Scopus

- 73) Ferracani, A., Pezzatini, D., Bianchini, J., Biscini, G., Del Bimbo, A.
[Locomotion by natural gestures for immersive virtual environments](#)
(2016) AltMM 2016 - Proceedings of the 1st International Workshop on Multimedia Alternate

Realities, co-located with ACM Multimedia 2016, art. no. 2983307, pp. 21-24. Cited 2 times.

DOI: 10.1145/2983298.2983307

Document Type: Conference Paper

Source: Scopus

74) Ricca, A., Chellali, A.

[Interaction fidelity in virtual simulators: Two navigation techniques for a virtual biopsy trainer \[Article@Fidélité d'interaction dans les simulateurs : Deux techniques de navigations pour un simulateur virtuel de biopsie\]](#)

(2016) IHM 2016 - Actes de la 28ieme Conference Francophone sur l'Interaction Homme-Machine,

pp. 278-284. Cited 1 time.

DOI: 10.1145/3004107.3004139

Document Type: Conference Paper

Source: Scopus

75) Arnaud, A., Corrége, J.-B., Clavel, C., Gouiffès, M., Ammi, M.

[Exploration of virtual environments on tablet: Comparison between tactile and tangible interaction techniques](#)

(2016) ICMI 2016 - Proceedings of the 18th ACM International Conference on Multimodal Interaction,

pp. 357-361.

DOI: 10.1145/2993148.2993186

Document Type: Conference Paper

Source: Scopus

76) Argelaguet, F., Maignant, M.

[GiAnt: Stereoscopic-compliant multi-scale navigation in VEs](#)

(2016) Proceedings of the ACM Symposium on Virtual Reality Software and Technology, VRST,

02-04-November-2016, pp. 269-277.

DOI: 10.1145/2993369.2993391

Document Type: Conference Paper

Source: Scopus

77) Nabiyouni, M., Bowman, D.A.

[A taxonomy for designing walking-based locomotion techniques for virtual reality](#)

(2016) Companion Proceedings of the 2016 ACM International Conference on Interactive Surfaces

and Spaces: Nature Meets Interactive Surfaces, ISS 2016, pp. 115-121.

DOI: 10.1145/3009939.3010076

Document Type: Conference Paper

Source: Scopus

- 78) Wilson, P.T., Kalescky, W., MacLaughlin, A., Williams, B.
[VR locomotion: Walking>Walking in Place>Arm swinging](#)
(2016) Proceedings - VRCAI 2016: 15th ACM SIGGRAPH Conference on Virtual-Reality Continuum and Its Applications in Industry, 1, pp. 243-249.

DOI: 10.1145/3013971.3014010

Document Type: Conference Paper

Source: Scopus

- 79) Schrom-Feiertag, H., Settgast, V., Seer, S.
[Evaluation of indoor guidance systems using eye tracking in an immersive virtual environment](#)
(2017) Spatial Cognition and Computation, 17 (1-2), pp. 163-183. Cited 1 time.

DOI: 10.1080/13875868.2016.1228654

Document Type: Article

Source: Scopus

- 80) Paris, R.A., McNamara, T.P., Rieser, J.J., Bodenheimer, B.
[A comparison of methods for navigation and wayfinding in large virtual environments using walking](#)
(2017) Proceedings - IEEE Virtual Reality, art. no. 7892276, pp. 261-262.

DOI: 10.1109/VR.2017.7892276

Document Type: Conference Paper

Source: Scopus

- 81) Vonach, E., Gatterer, C., Kaufmann, H.
[VRRobot: Robot actuated props in an infinite virtual environment](#)
(2017) Proceedings - IEEE Virtual Reality, art. no. 7892233, pp. 74-83.

DOI: 10.1109/VR.2017.7892233

Document Type: Conference Paper

Source: Scopus

- 82) Ricca, A., Chellali, A., Otmame, S.
[Study of interaction fidelity for two viewpoint changing techniques in a virtual biopsy trainer](#)

(2017) Proceedings - IEEE Virtual Reality, art. no. 7892259, pp. 227-228.

DOI: 10.1109/VR.2017.7892259

Document Type: Conference Paper

Source: Scopus

83) Xu, M., Murcia-Lopez, M., Steed, A.

[Object location memory error in virtual and real environments](#)

(2017) Proceedings - IEEE Virtual Reality, art. no. 7892303, pp. 315-316.

DOI: 10.1109/VR.2017.7892303

Document Type: Conference Paper

Source: Scopus

84) Kruijff, E., Riecke, B.E.

[Navigation interfaces for virtual reality and gaming: Theory and practice](#)

(2017) Proceedings - IEEE Virtual Reality, art. no. 7892362, pp. 433-434.

DOI: 10.1109/VR.2017.7892362

Document Type: Conference Paper

Source: Scopus

85) Kitson, A., Hashemian, A.M., Stepanova, E.R., Kruijff, E., Riecke, B.E.

[Lean into it: Exploring leaning-based motion cueing interfaces for virtual reality movement](#)

(2017) Proceedings - IEEE Virtual Reality, art. no. 7892253, pp. 215-216.

DOI: 10.1109/VR.2017.7892253

Document Type: Conference Paper

Source: Scopus

86) Fisher, J.A., Garg, A., Singh, K.P., Wang, W.

[Designing intentional impossible spaces in virtual reality narratives: A case study](#)

(2017) Proceedings - IEEE Virtual Reality, art. no. 7892335, pp. 379-380.

DOI: 10.1109/VR.2017.7892335

Document Type: Conference Paper

Source: Scopus

87) Nguyen-Vo, T., Riecke, B.E., Stuerzlinger, W.

[Moving in a box: Improving spatial orientation in virtual reality using simulated reference frames](#)

(2017) 2017 IEEE Symposium on 3D User Interfaces, 3DUI 2017 - Proceedings, art. no. 7893344, pp. 207-208. Cited 1 time.

DOI: 10.1109/3DUI.2017.7893344

Document Type: Conference Paper

Source: Scopus

[2017 IEEE Symposium on 3D User Interfaces, 3DUI 2017 - Proceedings](#)

88) (2017) 2017 IEEE Symposium on 3D User Interfaces, 3DUI 2017 - Proceedings, 273 p.

Document Type: Conference Review

Source: Scopus

89) Kitson, A., Hashemian, A.M., Stepanova, E.R., Kruijff, E., Riecke, B.E.

[Comparing leaning-based motion cueing interfaces for virtual reality locomotion](#)

(2017) 2017 IEEE Symposium on 3D User Interfaces, 3DUI 2017 - Proceedings, art. no. 7893320, pp. 73-82.

DOI: 10.1109/3DUI.2017.7893320

Document Type: Conference Paper

Source: Scopus

90) Garg, A., Fisher, J.A., Wang, W., Singh, K.P.

[ARES: An application of impossible spaces for natural locomotion in VR](#)

(2017) Conference on Human Factors in Computing Systems - Proceedings, Part F127655, pp. 218-221.

DOI: 10.1145/3027063.3048416

Document Type: Conference Paper

Source: Scopus

91) Darekar, A., Lamontagne, A., Fung, J.

[Locomotor circumvention strategies are altered by stroke: I. Obstacle clearance](#)

(2017) Journal of NeuroEngineering and Rehabilitation, 14 (1), art. no. 56, .

DOI: 10.1186/s12984-017-0264-8

Document Type: Article

Source: Scopus

92) Bruno, L., Sousa, M., Ferreira, A., Pereira, J.M., Jorge, J.

[Hip-directed walking-in-place using a single depth camera](#)

(2017) International Journal of Human Computer Studies, 105, pp. 1-11.

DOI: 10.1016/j.ijhcs.2017.03.006

Document Type: Article

Source: Scopus

Search: ABS (("locomotion" OR "navigation technique") AND ("empirical" OR "studied" OR "study" OR "evaluation" OR "evaluate" OR "examination" OR "examine" OR "experiment") AND ("virtual reality" OR "virtual environment" OR "virtual world")) AND (LIMIT-TO (PUBYEAR,2017) OR LIMIT-TO (PUBYEAR, 2016) OR LIMIT-TO (PUBYEAR, 2015) OR LIMIT-TO (PUBYEAR, 2014))