

- Implication of Risk Compensation through Multi-Sensor Mixed-Reality System, Construction Research Congress 2020: Safety, Workforce, and Education - Selected Papers from the Construction Research Congress 2020. 424–433, 2020. <https://doi.org/10.1061/9780784482872.046>.
- [8] Hu M., Shealy T., Application of Functional Near-Infrared Spectroscopy to Measure Engineering Decision-Making and Design Cognition: Literature Review and Synthesis of Methods, *Journal of Computing in Civil Engineering*. 33: 04019034, 2019. [https://doi.org/10.1061/\(ASCE\)CP.1943-5487.0000848](https://doi.org/10.1061/(ASCE)CP.1943-5487.0000848).
- [9] Holper L., ten Brincke R.H.W., Wolf M., Murphy R.O., fNIRS derived hemodynamic signals and electrodermal responses in a sequential risk-taking task, *Brain Research*. 1557: 141–154, 2014. <https://doi.org/10.1016/J.BRAINRES.2014.02.013>.
- [10] Rao H., Korczykowski M., Pluta J., Hoang A., Detre J.A., Neural correlates of voluntary and involuntary risk-taking in the human brain: An fMRI Study of the Balloon Analog Risk Task (BART), *NeuroImage*. 42: 902–910, 2008. <https://doi.org/10.1016/j.neuroimage.2008.05.046>.
- [11] Rogers R.D., Ramnani N., Mackay C., Wilson J.L., Jezzard P., Carter C.S., Smith S.M., Distinct portions of anterior cingulate cortex and medial prefrontal cortex are activated by reward processing in separable phases of decision-making cognition, *Biological Psychiatry*. 55: 594–602, 2004. <https://doi.org/10.1016/J.BIOPSYCH.2003.11.012>.
- [12] Breiter H.C., Aharon I., Kahneman D., Dale A., Shizgal P., Functional Imaging of Neural Responses to Expectancy and Experience of Monetary Gains and Losses, *Neuron*. 30: 619–639, 2001. [https://doi.org/10.1016/S0896-6273\(01\)00303-8](https://doi.org/10.1016/S0896-6273(01)00303-8).
- [13] Tyagi O., Hopko S., Kang J., Shi Y., Du J., Mehta R.K., Modeling Brain Dynamics During Virtual Reality-Based Emergency Response Learning Under Stress, *Human Factors*, 2021. 001872082110548. <https://doi.org/10.1177/00187208211054894>.
- [14] Shi Y., Zhu Y., Mehta R.K., Du J., A neurophysiological approach to assess training outcome under stress: A virtual reality experiment of industrial shutdown maintenance using Functional Near-Infrared Spectroscopy (fNIRS), *Advanced Engineering Informatics*. 46: 101153, 2020. <https://doi.org/10.1016/J.AEI.2020.101153>.
- [15] Pooladvand S., Kiper B., Mane A., Hasanzadeh S., Effect of time pressure and cognitive demand on line workers' risk-taking behaviors: Assessment of neuro-psychophysiological responses in a mixed-reality environment, Construction Research Congress 2022, American Society of Civil Engineers, Reston, VA, 2022: pp. 759–769. <https://doi.org/10.1061/9780784483985.077>.
- [16] Gholizadeh P., Onuchukwu I.S., Esmacili B., Trends in Catastrophic Occupational Incidents among Electrical Contractors, 2007–2013, *International Journal of Environmental Research and Public Health* 2021, Vol. 18, Page 5126. 18: 5126, 2021. <https://doi.org/10.3390/IJERPH18105126>.
- [17] Gholizadeh P., Esmacili B., Cost of occupational incidents for Electrical Contractors: Comparison using robust-factorial analysis of variance. *Journal of Construction Engineering and Management*. 146(7): 04020073, 2020. [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0001861](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001861)
- [18] Fromme K., Katz E.C., Rivet K., Outcome Expectancies and Risk-Taking Behavior, *Cognitive Therapy and Research* 1997 21:4. 21, 421–442, 1997. <https://doi.org/10.1023/A:1021932326716>.
- [19] Pooladvand S., Taghaddos H., Eslami A., Tak A.N., (Rick) Hermann U., Evaluating Mobile Crane Lift Operations Using an Interactive Virtual Reality System, *Journal of Construction Engineering and Management*. 147 (2021) pp. 04021154. [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0002177](https://doi.org/10.1061/(ASCE)CO.1943-7862.0002177).
- [20] Tobler P.N., Christopoulos G.I., O'Doherty J.P., Dolan R.J., Schultz W., Risk-dependent reward value signal in human prefrontal cortex, *Proceedings of the National Academy of Sciences*. 106: 7185–7190, 2009. <https://doi.org/10.1073/PNAS.0809599106>.
- [21] Schonberg T., Fox C.R., Mumford J.A., Congdon E., Trepel C., Poldrack R.A., Decreasing ventromedial prefrontal cortex activity during sequential risk-taking: an fMRI investigation of the balloon analog risk task, *Frontiers in Neuroscience*. 6: 1–11, 2012. <https://doi.org/10.3389/FNINS.2012.00080>.
- [22] Ludwig T.D., Geller E.S., Improving the Driving Practices of Pizza Deliverers: Potential Moderating Effects of Age and Driving Record, *Journal of Applied Behavior Analysis*. 24: 31–44, 1991. <https://doi.org/10.1901/JABA.1991.24-31>.