













- (4) The researchers were able to develop policies in improving the anti-distracted driving act in the country based on the result of the study.

## References

- Braitman, A. & Braitman K., (2017). Patterns of Distracted Driving Behaviors Among Young Adult Drivers: Exploring Relationships with Personality Variables.
- Caird, J., Johnston, K., Willness, C., & Asbridge, M., (2014). The Use of Meta-Analysis or Research Synthesis to Combine Driving Simulation or Naturalistic Study Results on Driver Distraction.
- Choudhary, P. & Velaga, N., (2017). Modelling Driver Distraction Effects Due to Mobile Phone Use on Reaction Time.
- Edquist, J., Horberry, T., Hosking, S., & Johnston, I., (2010). Effects of Advertising Billboards During Simulated Driving.
- Ericson, J., Parr, S., Beck, M., & Wolshon, B., (2016). Compensating for Failed Attention While Driving.
- Federal Motor Carrier Safety Administration, (2006). The 100-Car Naturalistic Driving Study: A Descriptive Analysis of Light Vehicle-Heavy Vehicle Interactions from the Light Vehicle Driver's Perspective.
- Hassani, S., Kelly, E., Smith, J., Thorpe, S., Sozzer, F., Atchley, P., Sullivan, E., Larson, D., & Vogel, L., (2016). Preventing Distracted Driving Among College Students: Addressing Smartphone Use.
- Irwin, C., Monement. S., & Desbrow, B., (2014) The Influence of Drinking, Texting, and Eating on Simulated Driving Performance.
- Jones, S. J.L., (2013). Impact of Distracted Driving on Safety and Traffic Flow.
- Klauer, S., Ehsani, J., McGehee, D., & Manser, M., (2015) The Effect of Secondary Task Engagement on Adolescents' Driving Performance and Crash Risk.
- Kountouriotis, G.K. & Merat, N., (2015) Leading to Distraction: Driver Distraction, Lead Car, and Road Environment.
- Li, X., Yan, X. Ph.D., Wu, J., Radwan, E., & Zhang, Y., (2016). A Rear-End Collision Risk Assessment Model Based on Drivers' Collision Avoidance Process Under Influences of Cell Phone Use and Gender – A Driving Simulator Based Study.
- Marciano, H. & Setter, P., (2017). The Effect of Billboard Design Specifications on Driving: A Pilot Study, 2017
- National Highway Traffic Safety Administration, (2016). Driver Electronic Device Use in 2015.
- National Highway Traffic Safety Administration, (2002). The 100 Car Naturalistic Driving Study.
- Oviedo-Trespalacios, O., Haque, M. Md., King, M., & Washington S., (2016). Understanding the Impacts of Mobile Phone Distraction on Driving Performance: A Systematic Review.
- Papadakaki, M., Tzamalouka, G., Gnardellis, C., Lajunen, T., & Chliaoutakis, J., (2016). Driving Performance While Using a Mobile Phone: A Simulation Study of Greek Professional Drivers.
- Parnell, K., Stanton, N., & Plant, K., (2016). What's the Law Got to Do With It? Legislation Regarding In-Vehicle Technology Use and Its Impact on Driver Distraction.
- Ram, T. & Chand, K., (2016). Effect of Drivers' Risk Perception and Perception of Driving Tasks on Road Safety Attitude.
- Regan, M., Hallett, C., & Gordon, C., (2011). Driver Distraction and Driver Inattention: Definition, Relationship and Taxonomy.
- Rupp, M., Gentzler, M., & Smither, J., (2016). Driving Under the Influence of Distraction: Examining Dissociations Between Risk Perception and Engagement in Distracted Driving.
- Simmons, S., Caird, J., & Steel, P., (2017). A Meta-Analysis of In-Vehicle and Nomadic Voice-Recognition System Interaction and Driving Performance.
- Steinberger, F., Schroeter, R., & Watling, C., (2017). From Road Distraction to Safe Driving: Evaluating the Effects of Boredom and Gamification on Driving Behavior, Physiological Arousal, and Subjective Experience.
- Talbot, R., Fagerlind, H., & Morris, A., (2012). Exploring Inattention and Distraction in the SafetyNet Accident Causation Database.
- Traffic Injury Research Foundation, (2013). Driver Distraction and Hands-Free Texting While Driving.
- Underwood, G., Crundall, D., & Chapman, P., (2011). Driving Simulator Validation with Hazard Perception.
- World Health Organization, (2015). Global Status Report on Road Safety, 2015

Ye, M., Osman, O., Ishak, S., & Hashemi, B., (2017). Detection of Driver Engagement in Secondary Tasks from Observed Naturalistic Driving Behavior.

## **Biographies**

**Rex Aurelius C. Robielos** is the Dean of the School of Industrial Engineering and Engineering Management at Mapua University. Before joining Mapua, he was Section Manager of Operations Research Group, Analog Devices General Trias. He has a BS in Applied Mathematics from the University of the Philippines Los Baños, and a Diploma and MS in Industrial Engineering from the University of the Philippines Diliman. He is pursuing Ph.D in Industrial Management (candidate) at National Taiwan University of Science and Technology in Taiwan. He is the current Secretary of Human Factors and Ergonomics Society of the Philippines and Director of the Philippine Institute of Industrial Engineers and Operations Research Society of the Philippines.

**Ybeth Angelyn P. Tuliao** is a graduate of B.S. in Industrial Engineering at the Mapua Institute of Technology.