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His fields of interest are dynamic soil-structure interaction (SSI), soil liquefaction, landslide and slope stability, geo-hazard mitigation, and risk analysis. He has used a variety of methodologies in his research, including theoretical, experimental (centrifuge modeling), and numerical approaches. He has participated in many research projects associated with dynamic SSI problems on shallow foundations, pile foundations, and earth retaining structures, soil liquefaction, and physical modeling techniques. Currently, his research focuses on dynamic SSI problems on liquefiable soil layers using case histories, centrifuge, and numerical modeling. Throughout his academic and research career, he has authored or co-authored 17 publications in international journals and 16 publications in peer-reviewed international conference proceedings.