

2008 REU Site Personnel

Project Administrators



Dr. Anant R. Kukreti
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Dr. Anant Kukreti is the Principal Investigator (PI) and Director of the project and coordinates its implementation. Dr. Kukreti teaches undergraduate and graduate courses in structural engineering. His research interests include experimental and finite element analysis of linear and nonlinear structural systems, behavior of steel connections, cyclic plasticity problems, sub-structuring procedures, fracture mechanics, constitutive modeling of materials, and modeling for flow through saturated-unsaturated porous media.



Dr. Gian A. Rassati
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Dr. Rassati is the Co-Principal Investigator (Co-PI) of all the REU Site and also served as a Faculty Mentor for the REU research project on "Study of the Ductility and Deformation of High Strength in Tension." He teaches graduate and undergraduate courses in structural engineering. His research interests include steel-concrete composite structures design, beam-to-column connection analysis and design, computer applications in civil engineering, structural optimization by means of innovative techniques, structural dynamics and earthquake engineering.



Dr. Bahram Shahrooz
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Dr. Shahrooz served as a Faculty Mentor for the REU research project on "Parametric Flexural Evaluation of Concrete Members Reinforced with High-Strength Reinforcement." Dr. Shahrooz's research interest include seismic analysis and design; field and laboratory experimental and analytical study of reinforced concrete and composite structural systems and components; comprehensive evaluation of existing bridges through field and laboratory non-destructive and destructive testing and associate analytical studies; applications of new materials such as high performance concrete and fiber reinforced composites in civil infrastructure; linear and nonlinear (static and dynamic) finite element analysis; dynamics of structures.



Dr. James A. Swanson
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Dr. Swanson served as a Faculty Mentor for the REU research project on "Measurement of Slip in Slip-Critical Connections with Different Specification Holes." Dr. Swanson's research interest include: issues related to steel bridge structures, including superstructure design, innovative materials, fast-track construction methods, innovative deck-systems, health monitoring, and condition assessment; and the behavior of steel framed structures with a focus on the behavior of beam-to-column connections, including partially restrained (PR) connections, modeling of frames with PR connections, and the behavior of bolted connections in general.