



- [Graduate research assistantship \(PhD program, requirements \[here\]\(#\)\)](#)
 - Package includes 12-month stipend, tuition, health insurance, fees
 - Participation in reputable venues expected and funded (e.g., ASCE SEI and EMI conferences, ACI conventions, TMS conferences)

- [Research on sustainable earthquake-resistant earth masonry](#)

- Collaboration USC (lead) and University of California, Davis
- Cross-disciplinary team of faculty and students:
 - Large-scale structural testing of prototype earth masonry
 - Analysis and design for hazard resistance
 - Computational simulation of structural response

- [Qualified candidates](#)

- Master's degree (not required but preferred) in civil engineering, emphasis on materials and structures
- Commitment to quality, hypothesis-based research, with attention to and care for details (e.g., evidence from MS thesis)
- Background and/or interest in:
 - Large-scale testing (required)
 - Analysis and earthquake resistant design of masonry (required)
 - Numerical modeling of masonry structures (desirable)

- [Interested and qualified?](#)

Email to fmatta@sc.edu: (1) CV; (2) cover letter noting how candidate meets qualification criteria above; and (3) one sample publication (master's thesis preferred, if available)



Columbia, SC



USC high-bay structures laboratory



Full-scale earth masonry walls (to be tested)