Expert: **Dennis Graber**
Company: National Concrete Masonry Association
Area of Expertise: Concrete Industry Equipment, Structural Engineer
Years of Expertise: 30 years

Expert Biography: Director of Technical Publications for NCMA. Develops technical publications on design and construction utilizing concrete masonry products. Previously he was the Director of Engineering for the Florida Concrete & Products Association, and Structural Engineer for the Portland Cement Association. A registered professional engineer in Florida and Georgia, received his Bachelor of Science Degree in Civil Engineering from South Dakota State University, and is a fellow of the American Concrete Institute (ACI).

Expert: **Doug Ross**
Company: National Concrete Masonry Association
Area of Expertise: Concrete Industry Equipment, R & D Lab technician, master mason
Years of Expertise: 25 years

Expert Biography: Doug is the Laboratory Supervisor for the NCMA R & D Laboratory. Oversees testing, he is an expert on mortar verification and teaches this and other methods to other labs. He builds test-walls/specimens for research and for contract purposes, as well as purchasing lab testing equipment, constructs and repairs new and existing equipment. He has worked as a tradesman in all phases relating to commercial and residential masonry building.

Expert: **Mike Maroney**
Company: National Concrete Masonry Association
Area of Expertise: Concrete Industry Equipment, concrete masonry units (CMU) production and technology
Years of Expertise: 15 years

Expert Biography: Mike is a Production Technology Specialist for the NCMA R & D Laboratory. His responsibilities include the construction and operation of NCMA's R & D Production Facility. An NCMA Certified Concrete Masonry Testing Technician since 1997, with an extensive background in dry cast concrete unit manufacturing and mix design, manufacturing QA/QC, and operations management. Prior to joining NCMA, he worked as a QA/QC manager for an Oldcastle Company, in all phases relating to design, development, and manufacture of CMU.

Expert: **Jason Thompson**
Company: National Concrete Masonry Association
Area of Expertise: Concrete Industry Equipment, Codes & Standards
Years of Expertise: 15 years

Expert Biography: Vice President of Engineering for NCMA. Developing technical publications on design and construction of masonry structures and providing seminars and lectures. Active in the development of building codes and standards on design, construction, testing, and QA provisions for masonry structures. He received his Bachelor of Science Degree in Civil Engineering and Master of Science in Structural Engineering from Washington State University.

Expert: **Nick Lang**
Company: National Concrete Masonry Association
Area of Expertise: Concrete Industry Equipment, Laboratory Testing Procedures
Years of Expertise: 10 years

Expert Biography: Nick is the NCMA Manager of the R & D Laboratory. Managing research, testing, and general functions of the Lab. He worked previously with ASTM International Cement and Concrete Reference Lab as a lab inspector. A member of ASTM International Technical Committees C09 on concrete and concrete aggregates, C12 on mortars and grouts for unit masonry, and C15 on manufactured masonry units. He received a Bachelor of Science degree in Materials Science and Engineering from the University of Pittsburgh.

Expert: **Gabriela Mariscal**
Company: National Concrete Masonry Association
Area of Expertise: Concrete Industry Equipment, Geotechnical Engineer
Years of Expertise: 10 years

Expert Biography: Gabriela is a Geotechnical Engineer for NCMA. She works closely with technical committees, design professionals, engineering staff, and educators, and is also involved with developing codes and standards for the design, construction and testing of segmental retaining walls, articulated concrete block, and related products. She is instrumental in developing the new manual and software for the SRWall version 4.0. Gabriela received her BS Degree in Civil Engineering from San Simon University in Bolivia.