

CRC Sponsored Research Projects as of March 29, 2016

CRC Proposal Number	Proposal Title	CRC Review Date	Principal Investigators, Institution	Related ACI Committee/Major Funder / other Funders	Status
#94	Evaluation of Chloride Limits for Reinforced Concrete	4/7/2015	Karthik Obla, NRMCA	ACI 318A	In-progress
#93	Evaluation and Examination of ACI 347.3R "Guide to Formed Concrete Surfaces"	1/30/2015	Ward Malisch - ASCC	ACI 347 / ASCC/RMCREF	In-progress
#92	Role of Microbial Induced Calcium Carbonate Precipitation on Corrosion Prevention	12/11/2014	Raissa D. Ferron, University of Texas at Austin	ACI 236	In-progress
#91	Setting Bar-Bending Requirements for High Strength Steel Bars	11/13/2014	Wassim M. Ghannoum, University of Texas at Austin	ACI 318 / CPF/in-kind steel	In-progress
#90	High Strength Steel Bars in Reinforced Walls: Influence of Mechanical Properties of Steel on Deformation Capacity	11/13/2014	Andres Lepage, University of Kansas	ACI 318 / CPF/CRSI, in-kind steel	In-progress
#89	Sustainable Concrete without Chloride Limites	6/15/2015	Antonio Nanni, University of Miami	ACI 201/440, Infravation	In-progress
#88	Development of Tentative Specification for High-Strength Reinforcing Bar	7/29/2014	Conrad Paulson, WJE	ACI 318 / CPF	Complete
#87	Defining Structurally Acceptable Properties of High-Strength Steel Bars Through Material and Column Testing	7/29/2014	Wassim M. Ghannoum, University of Texas at Austin	ACI 318 / CPF/various in-kind	Part 1 Complete
#86	Defining Structurally Acceptable Properties of High-Strength Steel Bars Through Beam Testing and Archetype Building Benchmark Analyses	7/29/2014	Jack Moehle, University of California, Berkeley	ACI 318 / CPF	In-progress
#85	Shear Friction of Lightweight Aggregate Concretes	5/1/2014	Lesley Sneed, MO Univ. of Science and Technology	ACI 318 / PCI/MS&T, CRSI, Metromont	In-progress
#83	Serviceability Behavior of Reinforced Concrete Discontinuity Regions	3/20/2014	Robin Tuchscherer, Northern AZ Univ.	ACI 445A & 318/PCA	In-progress
#82	Linking Concrete Tensile Performance and Seismic Response of Fiber Reinforced Concrete Coupling Beams	12/13/2013	Gustavo Parra-Montesinos, Univ. WI - Madison	ACI 318 / CPF/Bekaert	In-progress
#81	Assessment of Yield Stress Measurement Methods for Reinforcing Bars	9/17/2013	Conrad Paulson, WJE	ACI 318 / CPF	Complete
#80	Strength and Deformation Capacities of Corner Slab-Column Connections	10/18/2013	Min-Yuan Cheng - National Taiwan University of Science and Technology	ACI 318, 352, 421 / NTUST	In-progress
#79	Interaction of Admixtures and its Effect on the Evolution of Thixotropic Breakdown and Recovery of Cementitious Systems	9/27/2013	Shiho Kawashima, Columbia University	ACI 236, 238 / Columbia SEAS	In-progress
#78	National BIM Standard for Cast in Place Concrete - Phase Two	6/13/2013	Charles Eastman, GA Tech	ACI 131 / CPF/ASCC/CRSI/SDC/RMCREF/Bentley	In-progress
#77	Evaluation of Seismic Performance Factors and Pedestal Shear Strength in Elevated Water Storage Tanks	12/13/2014	Reza Kianoush - Ryerson University	ACI 350 & ACI 371 / NSERC	In-progress
#75	Low Activation Concrete with Low Activation Reinforcing Bars	4/13/2013	Tatjana Jevremovic, Univ. of UT	ACI 349 / NSF/ Univ. UT	In-progress
#74	Mitigation of Steel Reinforcement Corrosion Via Bioactive Agents	4/13/2013	Aaron Sakulich & Jessica Schiffman	ACI 213	Complete
#72	Precast National BIM Standard - Phase III	4/1/2012	Charles Eastman, GA Tech	ACI 131 / CPF/PCI	In-progress
#71	Modeling Parameters and Proposed Acceptance Criteria for Rehabilitated Columns using Concrete, Steel or FRP Jackets	4/1/2012	Sergio F. Breña, Univ. of MA, Amherst	ACI 369 / U Mass - NE Alliance	In-progress
#70	Round-Robin Test Series to Evaluate Models Developed to Predict the Lateral Formwork Pressure when Using Self-Consolidating Concrete	3/1/2012	Peter H. Billberg	ACI 237 & 347	Complete
#69	Developing an Information Delivery Manual for Cast-in-place Concrete Building Information Modeling (BIM)	12/1/2011	Charles Eastman	ACI 131/Charle Pankow Foundation	Complete
#67	Improved Procedures for the Design of Slender Structural Concrete Columns	11/1/2011	Robert J. Frosch, Purdue Univ.	ACI 318 / PCI/ CRSI / PCA	Complete
#66	Effect of Shear Stud Layout on the Seismic Behavior of Slab-Column Connections	11/1/2011	Gustavo Parra	ACI 318	Complete
#65	User's Guide to Green Concrete in Building Construction	11/1/2011	Ward Malisch	ACI 130 / ASCC	Complete
#61	Transverse Reinforcement Requirements in Flexural hinges of Large Beams of Special moment Resisting Frames Subjected to Cyclic Loading	3/1/2010	Jack Moehle	ACI 318	Complete
#56	Structural Performance Evaluation of Pervious Concretes: Linking Pore Structure to Material Response	3/26/2009	Narayanan Neithalath, Clarkson	ACI 522	Complete
#54	Development of Anchorage System for FRP Strengthening Applications using Integrated FRP Composite Anchors	2/9/2009	Sergio Brena	ACI 440	Complete
#53	Assessment of Punching Shear Vulnerability and Seismic Retrofit of Slab-column Connections with Headed Reinforcement	2/4/2009	Gustavo Parra	ACI 318 & ACI 318E	Complete
#50	Database Development For Evaluation, Repair and Rehabilitation of RC Building Members	6/18/2007	Halil Sezen, Ohio State Univ.	ACI 562	In-progress
#48	Crack and Leakage Control Criteria for Concrete Liquid Containing Structures	1/15/2007	Reza Kianoush	ACI 350	Complete
#45	Creep Testing and Bond-Slip Investigations Applied to Lightweight Concrete using Expanded Polystyrene	9/25/2006	Carol Hays	ACI 550	Complete
#43	A Study of Static and Dynamic Modulus of Concrete	3/21/2006	John Popovics	ACI 363	Complete
#42	CLT and AE Methods of In-Situ Load Testing: Comparison and Development of Evaluation Criteria	12/22/2005	Paul Ziehl	ACI 437	Complete
#41	Development of Performance Criteria for Surface Preparation of Concrete Substrates prior to Repair and Overlay	10/1/2005	Beniot Bissonnette	ACI TRRC	Complete
#40	Lateral Pressure on Formwork and Rheology of Self Consolidating Concrete	10/1/2005	John Gardner	ACI 347	Complete