



## Meeting Agenda

### 347 – Formwork for Concrete

Québec City, QC

Convention Centre and Hilton Québec

Saturday, March 23, 2019, 2:00 PM to 6:00 PM (C-307 B)

Sunday, March 24, 2019, 8:00 AM to 12:00 PM (C-200 B)

**Mission:** Develop and report information on formwork for concrete construction.

**Goals:** 1) Periodically update existing committee documents to reflect current practice and research developments; 2) Develop a design specification for formwork; 3) Develop guidance on formwork pressure when using self-consolidating concrete (SCC); 4) Serve as a resource for ACI Committee 301 on formwork and formed concrete surfaces; 5) Support development and presentation of ACI formwork seminars, webinars, and convention sessions; 6) Encourage research on concrete formwork design, construction, and performance.

#### Committee Members

Jeff Jack	RedBuilt	Chair
Rick Eder	Ceco Concrete Construction	Secretary
Bruce Suprenant	ASCC	TAC Contact
Rodney Adams	Baker Concrete Construction	VM
Ken Berndt	Kenneth L. Berndt PE	VM
Mary Bordner-Tanck	R H Bordner Engineering	VM
Nicolaus Coffelt	Aluma Systems	VM
Eamonn Connolly	James McHugh Construction Co	VM
James Cornell	The Beck Group	VM
Rick Eder	Ceco Concrete Construction	VM
Jeff Erson	Erson and Associates, LLC	VM
Brian Golanowski	Universal Forest Products	VM
Andrew Gray	EFCO	VM
Supriya Gupte	Accu-Crete	VM
Tim Hayes	Ceco Concrete	VM
Kris Hughes	Baker	VM
David W. Johnston	North Carolina State Univ. (retired)	VM
Roger Johnston	Crimson Engineering Associates	VM
Phil Jones	EllisDon	VM
Destry Kenning	Nox-Crete Products Group	VM
Bob Kent	Doka USA	VM
Kevin Koogle	Koogle Engineering, LLC	VM
Jim Kretz	Walbridge	VM
H.S. Lew	NIST	VM

Bob McCracken	EFCO	VM
Yvonne Nelson	Facchina Construction	VM
Doug Peters	Christman Constructors	VM
Eric Peterson	Webcor Builders	VM
Steffen Pippig	MEVA Formwork Systems	VM
Ken Pratt	Swanson Group	VM
Brian Ruegge	Kiewit	VM
Richard Ryon	RMD Kwikform	VM
Douglas Schoonover	Atlas Construction Supply	VM
Aviad Shapira	Technion/Israel Institute of Tech.	VM
John Simpson	Simpson Engineering LLC	VM
Rolf Spahr	MEVA Formwork Systems	VM
Peri Stivaros	Feld Kaminetzky & Cohen-GEI	VM
Daniel Toon	United Forming Inc	VM
Ralph Tulis	Structures Consulting	VM
Thomas West	Barton Malow	VM
Scott Winch	PERI Formwork Systems	VM
Gardner P (Jum) Horst	Horst and Associates	Consulting Member
Valery Aladiev	PERI Formwork Systems	AM
Aali R Alizadeh	Giatec Scientific Inc	AM
Richard Amodeo	AAI Engineering	AM
Kim Basham	KB Engineering LLC	AM
Francisco Bermudez	Arber & Associates Inc	AM
Andrew Bombassaro	Aluma Systems	AM
Eswar Burra	Southern Pan	AM
George Charitou	EllisDon Construction	AM
Russ Collins	Gregory Construction Services	AM
Michael Core	Swinerton Builders	AM
Anthony DeCarlo	Tru Wall Concrete Inc	AM
Renato Detera	SISCO Ltd	AM
Sean Dingley	Adb Engineering	AM
Robert Elridge	Sundt Construction	AM
Martin Fradua	Feld Kaminetzky & Cohen	AM
Christopher Garcia	Charles Pankow Builders, Ltd	AM
Noel Gardner	Univ. of Ottawa (retired)	AM
Francisco Gonzalez Perez	PERI Formwork Systems	AM
Sam Greenberg	Dansco Engineering	AM
Rishi Gupta	British Columbia Inst of Tech	AM
Jonathan Hawkins	G&C Concrete Construction	AM
Michael Hernandez	Baker Concrete Construction	AM
Alan Herndon	NCSU	AM
Mark Hirschi	Baldrige & Assoc.	AM
Matthew Hummel	LendLease	AM
Rocky Janney	Koogle Engineering	AM
Kamal Khayat	Missouri Univ of Science & Tech.	AM
Markus Klooth	WebCor Builders	AM
Antonio Limbarido	Engineered Devices Corp	AM
Andrew Lloyd	MEVA	AM

Ward Malisch	ASCC	AM
Daniel McAuliffe	Morley Construction	AM
Richard McCarthy	Swedish Cement & Concrete Res	AM
George Morcous	University of Nebraska-Lincoln	AM
Ahmed Omran	University of Sherbrooke	AM
Robert Opie		AM
Brian Carson	Osburn Contractors	AM
Andy Pearson	EFCO	AM
Michael Pedraza	Harris Rebar	AM
Bill Phillips	Parsons	AM
Matthew Poisel	Atlas Engineering	AM
Robert Schulthorpe		AM
Gunter Sengel	Ishebeck	AM
Bill Shebetka	EFCO	AM
Amerald Sinanungkalit	Titan	AM
Todd Solar	Jobsite Supply	AM
Adrian Soto	Aluma Systems	AM
Antal Szabo	AVS Engineering	AM
James Tkach	Morley Construction Company	AM
Paul Treacy	Pacific Structures	AM
Amy Trygestad	CRSI	AM
Kavya Vallurupalli	Univ Missouri Rolla	AM
Kyle Vasa Bertolucci	Webcor Builders	AM

### **Saturday Afternoon Meeting (C-307 B Room)**

#### **1. Call to Order (2:00-2:15)**

- 1.1 Introduction of Members and Visitors
- 1.2 Attendee List, pass around and sign
- 1.3 Announcements

#### **2. Design Specification for Formwork (2:15-6:00)**

- 2.1 Review web ballot results
- 2.2 Prepare and ballot responses to comments

#### **3. Adjournment (6:00)**

**Sunday Morning Main Committee Meeting (C-200 B Room)****1. Call to Order (8:00-8:15)**

- 1.1 Introduction of Members and Visitors
- 1.2 Attendee List, pass around and sign
- 1.3 Roster; pass around, make corrections to contact info
- 1.4 Announcements
- 1.5 Committee membership; New Members, Resignations

**2. Approval of Minutes (8:15-8:20)****3. Old Business - Updates (8:30-8:50)**

- 3.1 Report ANSI A11 Update – Jack
- 3.2 ACI 237 Report on SCC Formwork Pressures - Jack
- 3.3 ACI 310 Decorative Concrete - Pratt
- 3.4 Void Forms Task Group - Cornell
- 3.5 Upcoming Session - Stivaros
- 3.6 Letter reply to SAIA Shoring Council - Jack

**4. New Business (8:50-9:00)**

- 4.1 Review of 435 Report - Jack

**5. Design Specification for Formwork (9:00-12:00)**

- 5.1 Review web ballot results
- 5.2 Report from progress on 3/23/19 meeting
- 5.3 Prepare and ballot responses to comments
- 5.4 Develop plan for next sections to ballot -

**6. Break (10:15-10:30)**

- 6.1 Community Impact - Toon

**7. Adjournment (12:00)**

The next meetings will be Saturday, October 19, and Sunday, October 20, 2019, at the Convention Center and Hyatt Regency Cincinnati.

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