



Strategic Development Council Session #27

May 6-7, 2010
Kansas City, Missouri

SDC Session #27 – Kansas City, MO

- **Welcome**
 - Anti-Trust Statement
 - Next SDC Session
 - New SDC Members and Guests
- **Session #27 Agenda Overview**
- **SDC reorganization – TMC and TTAG**
- **ACI Foundation updates**
- **Industry highlights**

Antitrust Statement

Strict adherence to federal antitrust laws is required by all SDC members at and outside our meetings.

Visitors to meetings are held to the same standard as a condition of participation.

Antitrust Statement

The ACI Foundation's Strategic Development Council (SDC) fully supports the policy of competition served by Federal antitrust laws, and requires strict compliance with these laws by all Participants in this meeting and their representatives. Participants may be commercial competitors, and while it is entirely appropriate for them to meet to discuss common problems and areas of interest, it must be kept in mind that any action taken to eliminate, restrict, or govern competition among Participants would be a violation of antitrust laws. In support of its antitrust policy, SDC makes the following requests of all at this meeting.

1. Your signature on the antitrust statement on the meeting registration is required for participation in this meeting, will indicate that you have reviewed, understand, and will comply with this policy. If you have not signed an antitrust statement, please raise your hand, and we will hand you one.
2. Permission of the Chair is required before any matters of business outside the approved agenda are discussed.
3. In this meeting, or in informal conversations by members of this group outside this meeting, there can be no discussion about pricing methods, costs, volume or conditions of production or sale, allocation of territories or customers, or any other subject which might be construed as limiting any person or business from free access to any market, customer, technology, or source of supply.



Antitrust Statement

- **Completed/signed with registration**
 - See Doug Sordyl if you have not signed
- **Thomas Phillips, Miller Canfield Paddock**
- **Anna Maiuri, Miller Canfield Paddock**
 - SDC attorneys present today and tomorrow
 - Available for any issues or questions

Upcoming Events

■ SDC Session #28

- Tues and Wed, October 5-6, 2010
- Plymouth, MI
- Details will be forthcoming

■ ACI Fall Convention

October 24-28, 2010 – Pittsburgh, PA

■ ACI Spring Convention

April 3-7, 2011 – Tampa, FL

New SDC Members

■ Hycrete

- David Rosenberg
- Aaron Ayers

■ iCrete

- Adam Winnick

Guests

A special welcome to a number of first time attendees

Your attendance implies some interest in SDC – so be sure to talk with Members

SDC Member Representatives are identified by their badge ribbons

SDC Membership

- The (SDC) shall bring together the concrete industry, along with government, academia, and customers, to focus on collaborative problem-solving in response to market opportunities, and threats as well as meaningful technology advancement.
- Membership by company
- Representation by senior executive level

SDC Membership Dues

Category A – Contractors, manuf, suppliers, etc

→ \$4800 / \$2400 / \$1200

Category B and F – A/E, professional service

→ \$1200 / \$300

Category D and E – Associations

→ \$4800 / \$2400

Category C – Government, research

→ Influencers and implementators

Tiered categories based on revenue

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SDC #27 Focus

Building Information Modeling (BIM)

- Final plenary sessions and report on yesterday's strategic planning session

Vision 2020

- A status report and new initiatives

SDC #27 Highlights and Overview

ACI President Richard Stehly

- An update on EPA/Fly Ash
- Need for a concrete consortium to update standards for new nuclear construction

Adam Winnick, Pacific Capital Group

- Vision 2030 and investing in the concrete industry

Jeff Dhont, EPA Region IX

- A call for “beneficial use of fly ash” demonstration projects

Vision / Roadmap 2030

Vision 2030: A Vision for the US Concrete Industry, and

Roadmap 2030: The US Concrete Industry Technology Roadmap

- Ten years since their development
- Number of inquiries regarding an update

In memoriam - Jean-Claude Roumain

Our dear friend, JC Roumain, passed away on January 7, 2010

- Claudio Manissero will
 - offer a few words in JC's honor at the beginning of lunch.
 - announce the Jean-Claude Roumain Innovation in Concrete Award

Session #27 Technology Showcases

Innovative Products and Companies

- “Hi-Tech” - A New Tilt to Tilt-Up
- Accelerating Acceptance with Current Standards
- Green Sustainable High Performance Cement Technology”
- IPRF Study on a New Method to Evaluate ASR
- Laser Scanning for 3D and Forensic Investigation

SDC Session #27 – Kansas City, MO

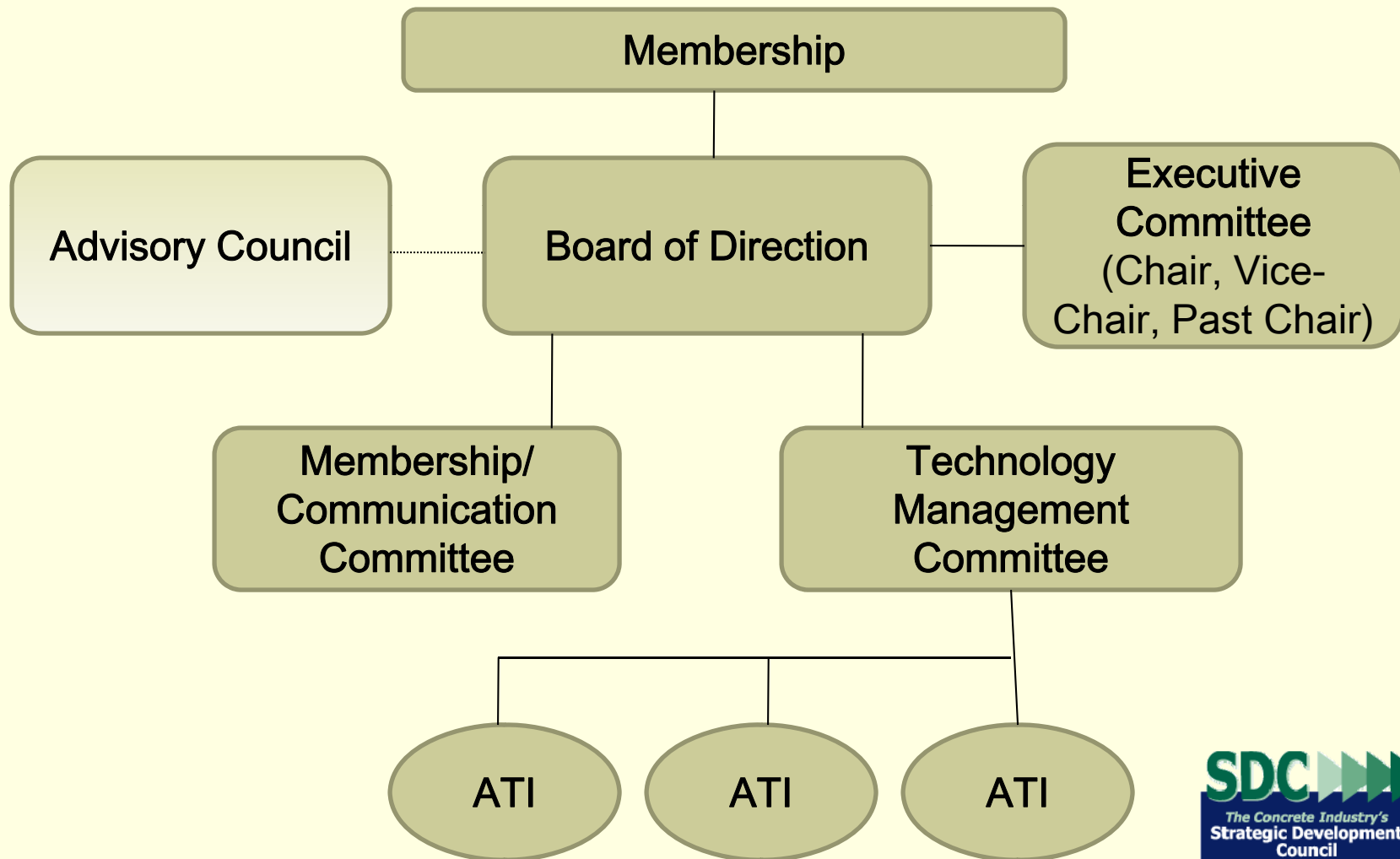
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SDC Reorganization continues

- SDC has been reorganized based on outcome of **Strategic Planning Session** held Nov 8, 2008 in Palm Harbor, FL
- Changes reflect more recent SDC operation, particularly
 - defining Chair position and succession planning
 - Technology Management Committee
- Opportunity to include the resources of the former TAC Technology Transfer Committee (TTTC) within SDC as an asset

SDC Reorganization

after Palm Harbor strategic planning meeting



Overview of SDC Operation

- Identify
“Industry Critical Technologies/Issues”
- Identify barriers to acceptance
- Develop strategies/actions to remove barriers

Technology Management Committee

Synergy like a “3 legged stool”

- Industry
 - SDC Members
- Research
 - SDC affiliated resources
- Funding
 - ACI Foundation (CRC)
 - RMC Research & Education Foundation
 - Charles Pankow Foundation
 - Other potentials

Technology Showcases/Pathfinder

SDC features emerging, innovative technologies at each of its Sessions

- SDC members can interact with proponent of these technologies, guiding through the ACI infrastructure and standards-developing process

Technology Management Committee

Members

Joe Sanders, Chair (Pankow Builders)

Emmanuel Attiogbe (BASF)

Kevin Cail (Lafarge)

Narendra Gosain (Walter P Moore)

Gary Nichols (ICC Evaluation Services)

Dave Stokes (FMC Lithium)

Technology Management Committee

Responsibilities

- 1) Determine Industry Critical Technology (ICTs)
- 2) Overview of Accelerated Technology Implementation (ATI) teams
- 3) Recommend Technical Showcases
- 4) Act as a “Pathfinder”
- 5) Provide oversight of Technology Transfer Advisory Group (TTAG)

Current List of “Industry Critical Technologies” (ICTs)

- Floor Moisture (completed)
- Vision 2020
- Self Consolidating Concrete
- Sustainability (given for “adoption”)
- Performance Concrete (looking for a Champion)
- Building Information Modeling
- Cracking (awaiting a Champion)

Dependent upon the interest of the Members

Active “Accelerated Technology Implementation “(ATI) teams

Building Information Modeling (BIM)

- Bob Risser – Champion
- Current major SDC initiative
- Strategic Planning Workshop – May 5

Vision 2020 - Repair

- New V2020 Council Chair – Nam Shiu
- Planning a mid-term update/revision for 2012

Active “Accelerated Technology Implementation “(ATI) teams

Performance Specifications

- Ken Rear retired – need new ‘champion’
- ITG-8 Performance Criteria
- ACI 329 – Performance Criteria for RD Mix
- Portland limestone cement

Self-Consolidating Concrete (SCC)

- Bill Phelan – Champion
- Completed research on formwork pressures
- Developing business case for use

Other developing ICTs/ATI teams

Cracking

- Approved at SDC #22
- Needs an industry “champion”

Others (awaiting ATI development)

- Basalt (corrosion resistant) reinforcing
- Lightweight admixture
- Waterproofing concrete

Other possible ICT topics

Simplified design

Tolerance incompatibility

Durability

Industry fragmentation

Aggregate supply issues

“On-board” concrete moisture control

TMC's new asset - TTAG

Technology Transfer Advisory Group

- In March 2010, ACI's TAC discharged, with thanks, its TAC Technology Transfer Committee (TTTC)
- SDC agreed to incorporate the membership of TTTC into the SDC in an technical advisory role

Technology Transfer Advisory Group

Emmanuel Attiogbe,
Chair

Nicholas Carino

David Darwin

Om Dixit

Charles Dolan

Peter Emmons

S. K. Ghosh

Charles Hanskat

Steve Kosmatka

Robert Mast

Kenneth Rear

Henry Russell

Joe Sanders

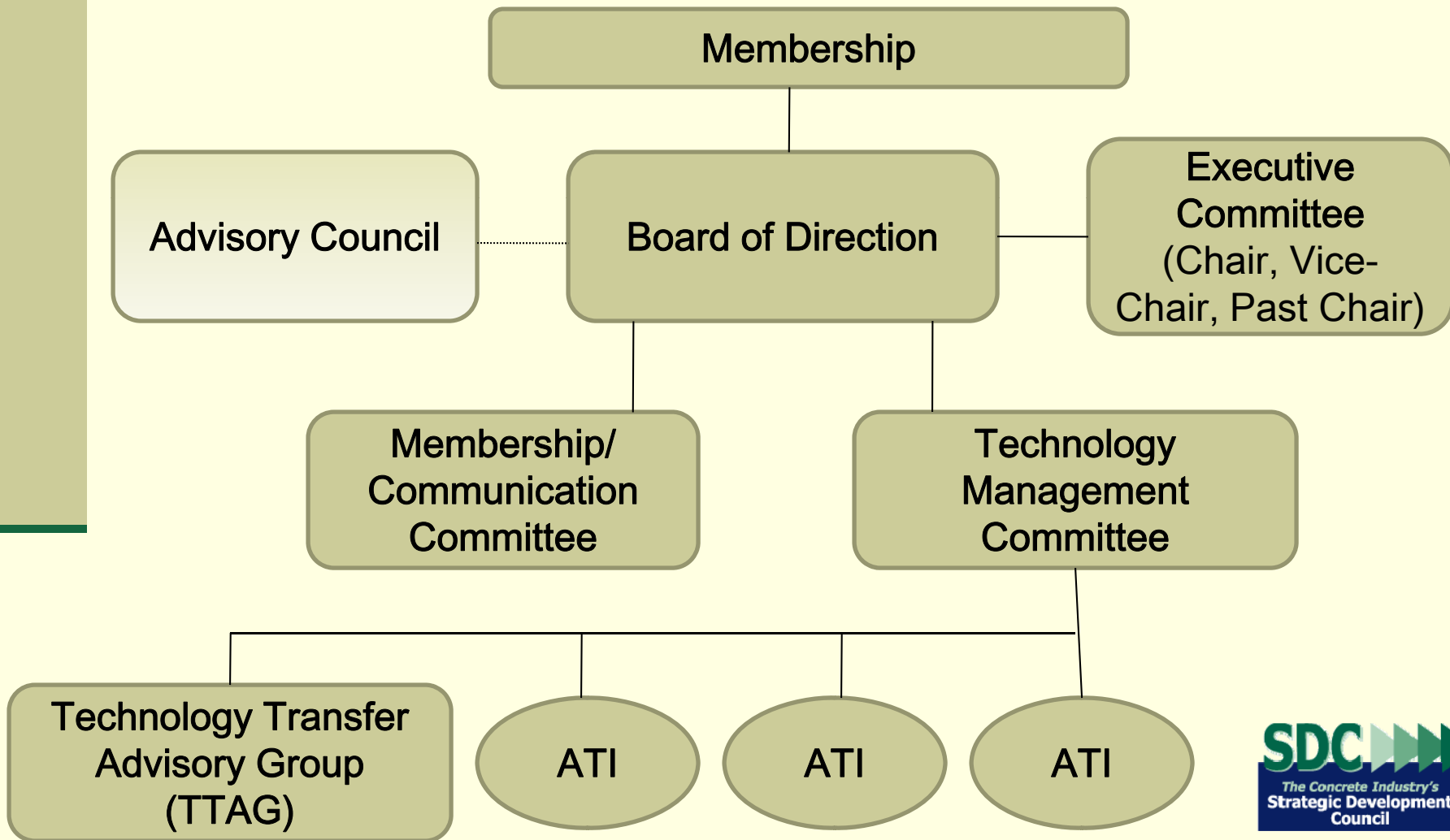
Paul Zia

Claude Bedard

(consulting member)

SDC Reorganization

with TTAG now



Technology Transfer Advisory Group

Assist the TMC with

1. ATI Technical Planning \ Assistance on ICTs
2. Pathfinder advice
3. SDC Presence at ACI Conventions

- Past ACI President Dave Darwin is chairing a task group to further refine the role of TTAG

TAC – SDC Relations

- TAC – SDC has met informally on Sunday mornings each ACI convention
- TAC – SDC Steering Committee
 - Now SDC – TAC relation has been formalized
 - Will continue to meet at ACI conventions

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ACI Foundation Updates

- Closer relations with Concrete Research Council
 - Support for “big beam” research project
 - ACI technical session in Pittsburgh
- ACI \$3M endowment

ACI Foundation Updates

Funded initiatives:

- Vision 2020 Corrosion Research
 - MOU signed Fall 2009 with USBR
 - Project Management Plan approved and project started

- Funding for SDC BIM ATC #81 Initiative
 - Charles Pankow Foundation
 - RMC Research & Education Foundation

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Industry Highlights

Joint Sustainability Initiative (JSI)

- Currently 26 concrete-related associations have signed-on to the original MOU developed by PCA - ACI - NRMCA

Concrete Sustainability Hub (CSH)

- Recent \$10M commitment for a Center for Concrete Sustainability at MIT

US Green Concrete Council (USGCC)

- Published “Sustainable Concrete Guide: Strategies and Examples”



Questions?

Comments?