



NOVEMBER 2014

Newsletter of the Northern Virginia Chapter Construction Specifications Institute

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DINNER MENU

Dinner Salad

Choice 1: Parmesan Chicken

Choice 2: Crusted Mahi-Mahi

Choice 3: Vegetarian Pasta Dish

Dessert: Chef's choice

Prices

Members: \$18 + \$1.89 CC Fee

Non-Members or Retired:
\$48 + \$3.39 CC Fee

Table Top: \$275 + \$14.74 CC Fee

Schedule

6 pm: Social hour

7 pm: Dinner

8 pm: Program

Location

Washington Dulles Airport
Marriott Hotel,
45020 Aviation Drive
Sterling, VA 20166

CHAPTER MEETING NOVEMBER 12, 2014

Minimizing the Impact of Solar Reflectivity from Buildings on the Surrounding Environment

Description: Traditional building façade design takes into account sunlight/natural daylight that passes through transparent areas of the façade. The impact of sunlight reflected from building surfaces on surrounding buildings, landscapes, and roads has recently been given equal consideration in façade designs and can be analyzed in detail via Computational Fluid Dynamics (CFD). Come see how, in using this tool, designers and engineers can evaluate the angle and intensity of reflected sunlight from a building's façade at various times of a day or a year, and develop glare mitigation strategies to minimize negative impacts on adjacent buildings, motorists, and pedestrians.

Learning Objectives: Upon completion, the participant will be able to understand:

- CFD Simulations are applied to determine whether reflected glare will present problems for motorists, pedestrians, and adjacent buildings.
- CFD Simulations extend through a solar year, identifying potential number of days, hours, and even minutes within an identified day that glare could present comfort issues.
- CFD Simulations also identify the path of solar reflections, shadowing, and glare intensity.
- Using this information, glare mitigation strategies that are sensitive to overall design goals and reduce negative impacts on adjacent buildings, motorists and pedestrians are developed.
- A study can be executed on a single building in isolation, or may target buildings including the surrounding neighborhood.

Speaker: Vicente Montes-Amoros, PE, MSc. Façade Engineer, LEED AP BD+C. Vicente Montes-Amoros is a structural and façade engineer at Curtain Wall Design and Consulting (CDC) in Purcellville, VA. During his first years at CDC, he specialized in the design and engineering of different building envelope systems like: natural stone, pre-cast



Speaker description continued on page 2

Register for the meeting on the Chapter website www.csinova.org by noon November 7.

Schedule of FY2015 Chapter Meetings and Presentations

September 16, 2014

SNMAAHC Museum tour
Cynthia Heimann/Henry Doyle

October 8, 2014

Form Based Codes
Erik Aulestia

November 12, 2014

Solar Reflectivity Analysis for
Curtainwall Buildings
Vicente Montes

December 10, 2014

Radio-Frequency Identification/
Logistics
Patrick Thomas

January 14, 2015

Laser Leveling Earth Moving
Tom McConnell/Jesse Oak

February 11, 2015

Value Engineering
Deborah Mc Pherson

March 11, 2015

Trends in Architectural Education
Randy Ott, Dean Catholic Univ.

April 8, 2015

Donald Trump Post Office Hotel
William Pegues

May 13, 2015

Air Quality Control
Mike Clancy

June 10, 2015

2nd Annual Trade Show, Hors
d'Oeuvres, Desserts, & Awards
Mike Clancy

July 2015

Board Transition and Summer
Planning Meeting

Topics subject to change.



PRESIDENT'S MESSAGE

Luigi Grande, *NOVA CSI President*



Dear CSI Members,

Many Companies, Institutions, General Industries, Contractors and any other entities, including organizations like ours, are struggling with the present economic challenges, coupled with other worldwide event such as ISIS and Ebola. We are basically living in a world of chaos at present time. So why am I telling you all these facts? The answer is a very simple one.

Many of our members, some more than others, are being affected by this economical challenge. As an Organization, what can you do to help? As you know, the membership of the Construction Specification Institute could be compared to a fraternity group. We definitely care for each member, we feel compassion for members that are affected due to job loss and we care for their family welfare.

What I would like to recommend is for each one of us to look for opportunities for these effected members. If you happen to know of job opportunities in a certain organization, for any types of jobs, please do let us know. We can in turn add notifications to our newsletter, or we can get the affected member in touch with you. It is so important to maintain a healthy organization and show that our membership can work for you. In addition, from a financial standpoint, if our members are all employed, they will have the financial resources to attend our programs and be able to afford membership at CSI. Please consider my request, and keep us informed with any opportunity available.

I consider myself, probably one of the luckiest people in the world. I was scheduled to retire from my organization on January of 2016. Well, after 36 years working for my organization, an early retirement offer was extended to me, which I gladly accepted. In saying this, as of November 4, 2014 I will devote more of my time to recruiting and providing more assistance to the day to day operation of CSI.

As I mentioned a year ago, my goal is to increase the membership and I ask for your assistance to search for new potential members.

Please do not forget to attend our next program at the Marriott Hotel at Dulles Airport on November 12th.

We truly appreciate you and your participation at CSI. Stay healthy and have fun as much as life allows. ❖

Luigi

SPEAKER DESCRIPTION CONTINUED FROM PAGE 1

concrete panels, unitized and stick-built curtain wall, and others.

He received a Master of Science in Façade Engineering in the United Kingdom at the University of Bath. Shortly after completing his master's degree he returned full time to CDC and this new Solar Reflectivity technology was developed.

Vicente has headed the Solar Reflectivity program since its creation and has continued its development up to now. He has published diverse articles in different building envelope topics. These articles were published in several building and construction industry magazines. CDC is one of the largest independent curtain wall design, engineering, and consulting firms in the world, and has been involved in numerous projects in the United States and abroad since 1973. ❖

**NOVA MEMBER
ANNIVERSARY DATES**

November

- Raymond Murray 23 years
Betco Block & Products
- Robert Trafton 15 years
Jonathan Nehmer and Assoc.
- Jason McKay 13 years
Isolatek International

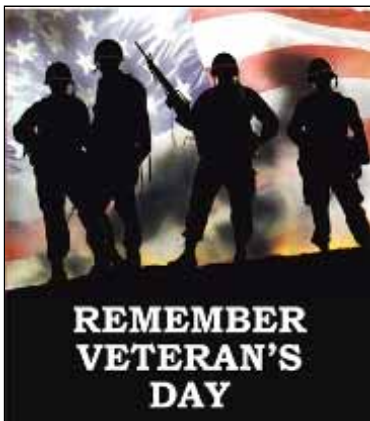
**RENEWAL DATE
REMINDERS**

November

- Marty Jakovics 11/30/2014
- Raymond Murray III.. 11/30/2014

December

- Joseph Berchenko 12/31/2014
- Paul Brosnahan 12/31/2014
- Daniel Cammer 12/31/2014
- William Downey 12/31/2014
- Umakant Gajjar 12/31/2014
- John Geniesse 12/31/2014
- Aziz Ghani 12/31/2014
- Jason McKay 12/31/2014
- Grant Rogers 12/31/2014
- Thomas Soles 12/31/2014



EDUCATION AND CERTIFICATION

John Geniesse

*NOVA CSI Education/Technical/Certification Committee Co-Chair
and First Vice President*



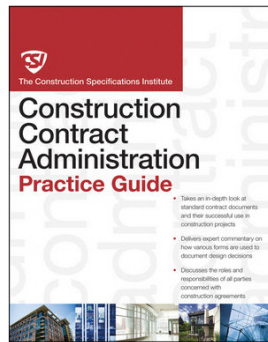
Increase your knowledge by taking advantage of the following CSI educational offerings:

Education and Certification

CSI National offers many resources to pursue your educational and credentialing interests. Interested in pursuing your CDT Certified Document Technician credential? Here are a couple of offerings on the CSI website now:

Sign up for CDC Boot Camp

Prepare for the Construction Documents Technology Exam (CDT) by participating in this fast paced, intensive, one-day seminar in which you will review the primary documents used for the examination and the fundamental knowledge they contain.



Contract Administrators:

Interested in recognizing critical decision points in the project delivery process and having a more successful project with less crisis? **Sign up for the Claims, Disputes & Critical Decisions Workshop, Friday November 14 in Charlotte, NC.**

Interested in writing a spec? **Get advice and direction from CSI's website.**

Need continuing education credits? **Participate in an online webinar.**

TONY WINTZ, CHAPTER PRESIDENT FY 1994

Ed: Some of the Chapter members wondered why we annotated the second president of the chapter as "Location unknown, no longer a member of CSI". The list of Past Presidents of this Chapter on page 4 was taken from a previous newsletter published 12 years ago. After some research on the Internet, Joseph A. Wintz was discovered in South Carolina, working as a senior lecturer at Clemson University. The middle initial appeared to stand for Anthony (Tony), so we reached out to him to verify his identity. Here is his reply:

"Hey David, Sorry for not responding sooner. Life seems to get in the way of everything.

I looked at the newsletter, and a LOT of familiar names and faces stared back at me. It's hard to believe it has been that many years ago (and that many Presidents ago). But, I have been teaching down here at Clemson since 2005, so I guess life goes on. I'll probably be retiring in May 2016, so another chapter in my life will begin. Who knows where that will lead, and what it will bring.

Please give my best to everyone in the Chapter and at the next Board meeting. My present address and other information is listed below for your records.

Regards, Tony (Joseph A., Wintz III, JD, PE)"❖



Ed: We are tracking down other lost presidents and will report the results in a future issue.

Past Presidents of Northern Virginia CSI

Listed by Fiscal Year Dates

1992 William C. Pegues
 1993 William C. Pegues
 1994 Joseph A. Wintz III, JD, PE*
 1995 Henry Doyle
 1996 Steve Szoke **
 1997 Michael Clancy
 1998 Gloria Buchanan
 1999 Brian Trimble
 2000 Jean Carr ***
 2001 Robert Morris III
 2002 William Pegues
 2003 David Lorenzini
 2004 Mary-Ellen Pfiester
 2005 Marshall Moss
 2006 Diane Pittman
 2007 Alan Geary
 2008 Alan Geary
 2009 Jason McKay
 2010 Jason McKay
 2011 Paul Brosnahan
 2012 Deborah MacPherson
 2013 Deborah MacPherson
 2014 Luigi Grande

* Recently discovered in Clemson, South Carolina. See article, p.3.

** Relocated to Illinois

*** Retired to Florida, no longer a member of CSI



ELECTRONIC COMMUNICATIONS

Jesse Oak

NOVA CSI Electronic Communications Committee Chair and President-Elect

Mailing List: We continue to work on the mailing list to keep current. Korey Phipps is now coordinating the distribution list, so please forward changes to your information to Korey at KPhipps@pbheeryamericas.com or myself at JOak@pbheeryamericas.com to keep our mailing lists up to date.



Web Page: We have started updating the Chapter website so any suggestions or information to include would be appreciated. Just let us know. The monthly newsletters have been added to the site reference.

Eventbrite: Included with the Eventbrite invitation are a few FAQs added to help with meeting registrations. If you have suggestions for other FAQs please let us know.

Forms: New forms continue to be created for use by the Chapter and can be found in the Chapter's Google drive on the Chapter website. Please contact Deb MacPherson dmacpherson@cannondesign.com for access. Any suggestions for new or modified forms are always welcome.

Advertising: We are looking for anyone interested in advertising in our monthly newsletter and webpage. See below for requirements and rates. ❖

ADVERTISING IN NOVASPEC BEGINS IN JANUARY 2015

Business card size ads will be displayed on a space-available basis starting in the January 2015 issue of *NOVASPEC*, and distributed to all members of three CSI chapters which normally receive monthly issues. In addition, a company logo will be posted on the Chapter website during the ad subscription period. Rate will be \$200 for one business card size ad displayed in 10 issues, which may not necessarily be consecutive during the first few months. Questions: Contact the Chapter at csinorthernva@gmail.com.

Original art must be provided in business card size (3-1/2 inches wide by 2 inches high) for use in the newsletter. Also submit a company logo in jpg format for use on the website. Logos will be adjusted to a common size for display. Orders must be sent to deloren@verizon.net along with artwork, check made payable to Northern Virginia Chapter CSI, and contact information.

If you would like to display your products or services at one of our monthly meetings, contact Mike Clancy, mclancy1@verizon.net. Table Top Fee is \$275 + \$14.74 Credit Card Fee. Besides a table top display during Social hour, you will given five minutes to speak to the attendees during introductions at dinner and get a one month ad display in *NOVASPEC*.



St. Louis, MO is the Gateway to CONSTRUCT 2015

BIM CONFERENCES BRING HELP TO DIGITAL PRACTICE

Deborah MacPherson, Immediate Past President



The growing pains of BIM and digital practice continue, however, progress is being made by Owners and Facility Managers. Below are some conferences to learn more:

Fiotech is an international community of passionate stakeholders working together to lead global development and adoption of innovative practices and technologies to realize the highest business value throughout the life cycle of capital assets. **Efficiency Through Digital Projects**

- **People:** Educating the next generation of construction workforce, Health and Safety Challenges at Site Level, Digital Processing at the workplace, People change in Construction.
- **Process:** Advanced Works Packaging (AWP), The Challenges of off-site Construction including Modularization, Effectiveness of Integrated Environment for EPC Projects, Asset Tagging and EMT
- **Technology:** RFID deployment, Bluetooth Low Energy Beacons for Safety Management, Immersive Visualization Technologies for BIM, Interactive Design Boards, Mobicloud Showcase and various Technology Review Sessions.

Project Haystack is an open source initiative to standardize semantic data models and web services, making it easier to unlock value from the vast quantity of data being generated by the smart devices that permeate our homes, buildings, factories, and cities. Applications include automation, control, energy, HVAC, lighting, and other environmental systems. Join the **Haystack Connect Conference** to learn more:

- **The Goal:** The goal of Haystack Connect is to create a new type of conference and trade show -- one that is produced by the community, for the community. The creators of the event believe that it will fill an important gap in the market for smart and connected systems by providing a

place where specialists in the field can come together to network, share, create synergy and generate new business opportunities.

- **Background:** The building automation, energy, and M2M industries have a variety of events. Many are under the control of a single manufacturer. Some are huge events where the needs of systems integrators, technology vendors and their customers are lost in a sea of unrelated products. A number of people in the industry see a need for an event that is not owned by any single supplier, but is "by the community and for the community". Haystack Connect is designed to directly serve the needs of the customers, systems integrators, and technology vendors who are on the leading edge of applying smart devices and smart buildings technology.
- **Vision:** The event supports the vision that a connected community of practitioners, vendors and forward thinking customers can move industry forward in ways that no single supplier can. Haystack Connect 2013 takes its inspiration and name and from the success of the open source community that is addressing the challenges of making smart device data work seamlessly across applications of all types: project-haystack.org. Project-haystack topics will be part of the technical session agenda.

International Facility Managers Association (IFMA):

IFMA is the world's largest and most widely recognized international association for facility management professionals, supporting 24,000 members in 96 countries. The association's members, represented in 131 chapters and 17 councils worldwide, manage more than 37 billion square feet of property and annually purchase more than US\$100 billion in products and services.

Facility Fusion 2015 Conference is about:

- **Your Facilities:** Education focused on your unique FM needs. Solutions to address every FM challenge.
- **Your Career:** Essential leadership development. Intimate, dynamic networking.
- **Our Focus:** Advancing the practice for 34 years. Enhancing FM careers worldwide.❖

INNOVATIVE MATERIALS

More on the future of materials. This is a continuation of our series on state of the art products that may trigger your curiosity.



In addition to insulating, Aerogel also has the unique property of being translucent, potentially redefining the "glass house." Photo of Hemsworth Managed Offices (Atkins Architects) via [Kalwall](#) by David Jewel.

Aerogel Insulation: Whether it's climate change or simply daunting energy bills, nearly everyone is demanding more efficient, greener new buildings. Insulation is therefore a hot topic, especially when it comes to Aerogel—not only one of the lightest materials available, but also one of the highest insulators. (It also held 13 other Guinness World Records in 2011.) Originally developed by NASA, a commercial spinoff has recently emerged in the form of Thermablock (www.thermoblock.com), specifically designed for residential and commercial uses. ❖

MASS Design Group's hospital in Rwanda uses architecture to reduce the risk of disease spreading through the facility. New SLIP materials could also help with the cause in the future.



Germ-Repellent: Stopping the spread of disease in a confined space such as a hospital is no easy task, involving continuous disinfecting and even the occasional architectural reorganization. But now a team from Harvard is investigating an alternative that would produce a "slippery liquid-infused porous surface" (SLIP), that would let bacteria slip right off. In addition, the material could ward off dust, ice, and graffiti, making it a tantalizing prospect to industries outside of just health care. ❖

(Our readers are encouraged to submit their experiences with these types of products for publication in future issues.)

SUMMARY OF OCTOBER BOARD MEETING MINUTES

Call to Order: Luigi Grande, President of the NOVA Chapter called the October 2014 regular meeting of the Board of Directors to order on Wednesday, 8 October 2014 at the Washington-Dulles Airport Marriott Hotel.

- Grande offered kudos to Jesse Oak for his efforts and success developing the NOVA website. Oak is seeking corporate logos from program presenter's organizations to be posted on our website for one year following their presentations per our guidelines.
- Grande reported a successful First Annual "Hors d' Oeuvres, Dessert & Awards" event in June.
 - The June 2015 meeting is scheduled for the second annual event. Additional vendors will be sought through informational items provided (needed) to those visiting member's corporations or conducting educational opportunities.
 - Grande described the August Leadership Orientation Seminar (LOS), attended by Lorenzini, Oak, Trafton, Geary, and himself. The seminar was very informative, well attended and additional officers and members should attend. Many chapters are suffering membership decline. Institute is reviewing its charter and goals in light of technological and organizations changes in the business world.
- Grande recognized the Newsletter acknowledgement of member's anniversary dates and expects to begin the President's email recognition program in the near future.
- Grande complemented Henry Doyle and Charley Yetter for sponsoring and leading the guided tour of the National Museum of African American History & Culture construction as the NOVA September program. He also recognized Jesse Oak and Cynthia Heimann for organizing the event as well as the DC Metro Chapter of CSI for providing refreshments for the joint tour. Participation was lower than anticipated and included a number of last-minute cancellations. Discussion included a recommendation that a fee be charged for similar future events to provide an incentive to attend.
- **President's Ongoing Initiatives.**
 - **Membership:** Double our membership over the next two years to exceed our original membership of 124.
 - Institute reports show a continuing drop in membership for NOVA. Grande expects a loss of two members from his firm in the spring due to staff reductions. Grande requested ideas from the Board for membership incentives. Several were proposed:



- Waiving the meal fees for new members during their first year.
- Setting up a CSI table at other professional association meetings where there is no conflict of interest, such as contractor's associations.
- Cross-advertising with other organization through newsletters and websites.
- Paid advertising by vendors in the newsletter and on the website to raise money for membership incentive programs.

- **2018 MARC (Middle Atlantic Regional Conference):**
 - Lorenzini, Pegues, and Trafton planned a site visit to the Hyatt in Reston on 18 October for a self-guided visit. Currently, planning items are in accordance with the event schedule.
- **Treasurer:** Pittman provided current account balances: Checking: \$6,578.45; CD: \$5,131.81; Total: \$11,710.26
- **House:** Jason McKay, Chair: McKay reported the 2015 contract with the Marriott is in process and review. There are no procedural changes from 2014. He also reported his personal move to the Richmond vicinity but still plans to be traveling to the NOVA area as part of his new territory.
- **Programs:** Cynthia Heimann, Chair: Oak reported the November and December programs as being finalized and prepared for advertising. He also noted that the January program may be adjusted to a more general topic to accommodate the annual chapter anniversary banquet.
 - Potential additional topics of interest:
 - Superfast construction.
 - Curtain wall buildings for special purpose facilities.
 - Prefabricated buildings.
 - Best practices and procedures for Fire Proofing of Elements (Jason McKay).
 - Jobsite BIM technology
 - 2009 to 2012 IBC changes.
 - Code Search Methodologies, continued by Diane Pittman and Dan Cammer
 - LEED 4.0 / Living Buildings.
 - Bill Rains and John Geniesse offered to provide quick notice backup programs to cover commitments that fall through.
- **Adjournment** - There being no further business to come before the board, President Grande declared the meeting adjourned. ❖

Chapter Board of Directors

President	Luigi Grande..... lgrande@ch2m.com
President-Elect	Jesse Oak joak@pbheeryamericas.com
Immediate Past Pres.	Deborah MacPherson... dmacpherson@cannondesign.com
1st Vice President	John Geniesse jgeniesse@stanleyworks.com
2nd Vice President	Tom McConnell..... tom@construxva.com
Secretary	Mike Montgomery..... mbmonty@embarqmail.com
Treasurer	Diane Pittman diane.pittman@cox.com
Director, 2013-2014	Robert Trafton rtrafton@nehmer.com
Director, 2013-2014	Ken Lyons..... k_lyons@verizon.net
Director, 2014-2015	Cynthia Heimann cheimann@kgdarchitecture.com
Director, 2014-2015	Dan Cammer d.cammer@rebarchitects.com
Director, 2014-2015	Mike Clancy mclancy1@verizon.net
Director, 2014-2015	Bill Rains bill.rains@sherwin.com

Chapter Committees

Awards	Bill Rains bill.rains@sherwin.com
Editor	David Lorenzini deloren@verizon.net
Electronic Comm.	Jesse Oak joak@pbheeryamericas.com
E.T.C.*	Mike Clancy/John Geniesse, Co-Chairs mclancy1@verizon.net / jgeniesse@stanleyworks.com *(Education/Technical/Certification)
Finance	Diane Pittman diane.pittman@cox.com
Historian	Deb MacPherson dmacpherson@cannondesign.com
House	Jason McKay jmckay@isolatek.com
Membership	Dan Cammer d.cammer@rebarchitects.com
Nominating	Deb MacPherson dmacpherson@cannondesign.com
Programs	Cynthia Heimann cheimann@kgdarchitecture.com

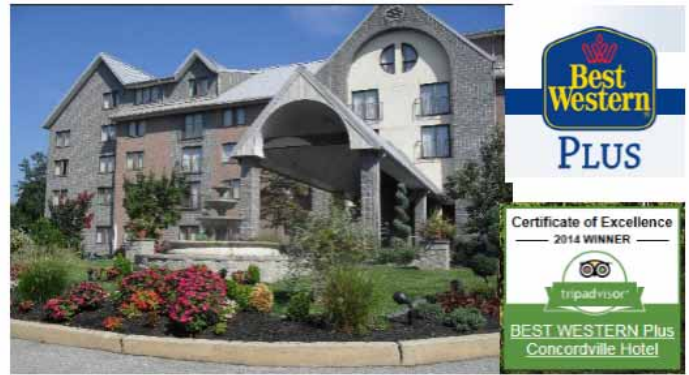
Middle Atlantic Region

President Margaret Chewning mgccs@spexresources.com

Institute

Director Raymond Gaines gaines5@ntelos.net

2015 MARC IS COMING



CSI Mid-Atlantic Region Conference 2015
BEST WESTERN PLUS Concordville Hotel

Save the date—April 30 to May 3, 2015—Visit www.marc2015.org

Editor's Corner

Comments regarding this newsletter are welcome. Original contributed articles are also welcome. Submit them in Word DOC format to deloren@scip.com. Articles should be concise and to the point, accompanied by graphics, if applicable, in JPG format. ❖

Editorial Policy: NOVASPEC acts as a moderator without approving, disapproving, or guaranteeing the validity of accuracy of any data, claim, or opinion appearing under a byline or obtained or quoted from an acknowledged source. The opinions expressed by authors do not necessarily reflect the official views of the Northern Virginia Chapter CSI or The Construction Specifications Institute.

All material for each issue must be received by the Editor 3 weeks before the next Chapter meeting date.

The Construction Specifications Institute (CSI) is a nationwide, nonprofit, technical organization dedicated to the advancement of construction technology through communications, education, research, and service. Founded in 1948, CSI provides a forum for architects, engineers, specification writers, contractors, suppliers, and others in the industry.

Our mailing address: Northern Virginia Chapter CSI, PO Box 223415, Chantilly, VA 20153, 703-402-0903, <http://nova.csinet.org/>

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2015 MIDDLE ATLANTIC REGION CONFERENCE



Jerry Yudelson
President
Green Building Initiative
Friday, May 1, 2015 Luncheon

**KEYNOTE
SPEAKERS**



Francis Rabuck
Futurist, visionary Communicator
Technology/Strategy Research Analyst
Saturday, May 2, 2015 Luncheon