



JANUARY 2015

Newsletter of the Northern Virginia Chapter Construction Specifications Institute

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DINNER MENU

Dinner Salad

Choice 1: Stuffed Chicken

Choice 2: Crusted Mahi-Mahi

Choice 3: Vegetarian Dish

Chef's choice of the following:

- Goat Cheese Ravioli
- Mushroom Ravioli
- Vegetable Lasagna

Dessert

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

ANNIVERSARY BANQUET - JANUARY 14, 2015

The Silver Line Phase 2 Update It's *Golden* Now!

Description: As Phase 1 of the Silver line in the Dulles Corridor Metrorail Project (DCMP) is successfully in operation, we will hear an overview of Phase 2 from the Project Director and learn about the challenges he faces being involved in our area's current Mega Project.

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

- how DCMP qualifies as a Mega Project and, as a result, the national and global attention it receives.
- the broad communication and logistical challenges of working with multiple project partners with interests ranging from their financial investment to jurisdictional requirements.
- what lessons were learned from Phase 1: West Falls Church to Reston.
- the important factors affecting the densification and infill development around Tysons Corner. Has it become more pedestrian friendly, or will it remain a mainly vehicular area.



Speaker: Kevin Volbrecht is the Project Director for the \$1.2B Package A contract on the Phase 2 Silver Line extension to IAD and Loudoun County, a role he has held since August 2014. Previously, he was the Deputy Director in charge of all the construction on Phase 1 of the Dulles Corridor Metrorail project from 2007-2014.

Before coming to Virginia to work on the DCMP, he worked on the capital expansion program at Ft. Lauderdale International Airport and on the Miami Dade Transit extension into MIA as a Senior Project Manager.



Born, raised, and educated in California, he has over 23 years of experience in the construction management field in the San Francisco Bay Area including the BART extensions into eastern Contra Costa County and the SFO extensions, as well as two light rail projects and a Caltrain line expansion in San Jose. He is a licensed civil engineer in California, Florida and Virginia. ❖

Register for the meeting at <http://nova.csinet.org> by noon January 9, 2015

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

Utilization of Radio Frequency
Identification in Projects Today
Patrick Thomas

★ January 14, 2015 Anniv. Banquet

Metro Silver Line Update
Kevin Volbrecht

February 11, 2015

Value Engineering
Deborah Mc Pherson

March 11, 2015

Trends in Architectural Education
Randy Ott, Dean Catholic Univ.

April 8, 2015

Laser Leveling Earth Moving
Tom McConnell/Jesse Oak

May 13, 2015

Air Quality Control
Mike Clancy

June 10, 2015 Awards Banquet

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,

With the arrival of New Year's Eve, I believe it is a new opportunity for us to improve and achieve all the goals and objectives that we couldn't do the current year that is ending. I believe it important that we celebrate New Year's together with our families and loved ones because that way we would obtain a complete fulfillment and enjoyment of life. In the same way, no doubts in my mind, we wish all the best for ourselves and also expressed our best wishes to all the people we know by dedicating nice phrases to them electronically or with cards, especially for those people that we care for most and those far away.



While New Year's Eve often brings a celebration, a party, the New Year itself often brings great hopes for change and growth. The New Year presents the perfect time to set some resolutions that can help make us more productive, and focused. What exactly are good New Year's resolutions for our NOVA CSI leaders and members?

While New Year's Eve often brings a celebration, a party, the New Year itself often brings great hopes for change and growth. The New Year presents the perfect time to set some resolutions that can help make us more productive and focused. What exactly are good New Year's resolutions for our NOVA CSI leaders and members? With this in mind, here are four possible New Year's resolutions that our NOVA CSI leaders should keep in mind to ensure this year is a successful one for OUR organization:

1. Provide tailored "PROGRAMS" to help our membership with their professional development. Although there are no obvious signs that this year will bring forth better economic conditions, one contribution that our organization can make is supporting the professional development of our membership. Such measures will not only make it clear to members that we're paying attention to their needs, but you're also giving them the opportunity to become more valuable to their employer and also as members of our organization.
2. Share insights from your own experiences with CSI, to inspire and guide our members. One of the reasons many people are offered a position to lead others is because of what they know and learned through their past experiences. However, those experiences are of little use if you don't share them with our members so that they can also learn and grow from them and repeat the cycle with other members.
3. As we compile a list of goals for this year, we need to try not to limit ourselves to resolutions of how we can become individually *better*. Instead, we should look also for goals where we can use our knowledge, resources, and experiences to help make a difference to those around us. It will pay off and it will be worth the effort.
4. Most importantly, grow our membership. However, if we also expand in this exercise some goals of how we can reach out to help others, the action takes on greater significance as our focus is now on creating positive change and growth of our membership can realize.

What is a possible New Year's resolution for our NOVA CSI members to ensure this year is a successful one?

Participate, get involved, and bring a friend.

I would like to take this opportunity, united with the Board of Directors and Committee Chairs, to wish you and your loved ones a prosperous and Happy New Year! ❖

Luigi

NOVA MEMBER ANNIVERSARY DATES

January 2015

- ☆Robert Molseed..... 50 years
Lifetime Member
- Michael Clancy..... 34 years
Architectural Resources, Inc.
- Theresa Barnett 4 years
Contract Administrator
- William Rains 24 years
Downey & Scott
- John Geniesse 5 years
Stanley Security Solutions

RENEWAL DATE REMINDERS

January 2015

- Michael Clancy..... 01/31/2015
- Henry Doyle 01/31/2015
- Tatiana Gloukhoff 01/31/2015
- William Rains 01/31/2015

February 2015

- David Hamilton 02/28/2015
- Adam McMurtrey 02/28/2015
- Korey Phipps 02/28/2015
- Daniel Piper..... 02/28/2015
- Ed Weinmann 02/28/2015



October 2014

TABLE TOP SPONSOR

Hosted by Greg Barbini
gbarbini@ppg.com



EDUCATION, TECHNICAL, AND CERTIFICATION

John Geniesse, NOVA CSI Education/Technical/ Certification Committee Co-Chair and First Vice President



January Program: This is our **Annual Chapter Anniversary Banquet**, so bring a spouse or guest. Fellows, wear your medals.

January is also designated as **National Heritage Month**. Members are encouraged to dress representative of your family heritage. (See page 5.)

Certification Exams: Need help studying for Certification Exams? CDT, CCS, CCPR and CCCA? The Baltimore Chapter is offering Professional Development and Certification Seminars for certifications, beginning in January of 2015 through March. Visit their website for a schedule and detailed information: www.csibaltimore.org.

2015 Dates to Remember:

CSI Academies, San Francisco, CA - *April 16-18, 2015.*

MARC 2015, Concordville, PA - *April 30-May 3, 2015* at Best Western Plus Hotel.

CSI Construct and Annual Convention, St Louis - *September 30- October 3, 2015.*

Visit www.csinet.org to find out more about CSI Educational Opportunities.❖

ADVERTISING IN NOVASPEC

Business card size ads will be displayed on a space-available basis and distributed to all members of three CSI chapters which normally receive monthly issues of Novaspec. 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. The ads may not necessarily be displayed on consecutive months, which means the ads could run for more than a year. There are 10 issues per year. Questions: Contact the Editor at deloren@verizon.net.

Original art must be provided in business card size (3-1/2 inches wide by 2 inches high) for use in the newsletter. Color is acceptable. 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. Deadline for each month's issue is the 20th of the previous month.

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 logo display in *NOVASPEC*.❖

Your ad could be here.

(actual size)

**Submission deadline for each month
is the 20th of the previous month.**

Past Presidents of Northern Virginia CSI

Listed by Fiscal Year Dates

- 1992 William C. Pegues
- 1993 William C. Pegues
- 1994 Joseph A. Wintz III*
- 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 Pfister
- 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

* Senior Lecturer at Clemson University, South Carolina.

** Relocated to Illinois

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



MEMBERSHIP OBSERVATIONS

Daniel Cammer

NOVA CSI Membership Chair and Director



During 2014, I have observed that the Chapter membership stagnated—running anywhere from a high of about 62 to a low of around 59. There are many factors that affect both enrollment and meeting attendance, i.e., *the economy, member interest, employer interest, a member's individual and family health, employer business conflicts with chapter meeting dates, the weather, and emergencies of all kinds.*

There's not a whole lot that this Membership Chairman can do to influence such events, except for maybe two—**member and employer interest**. For me, exposure to the mission and work of CSI has always resulted in *attending, participating, and working in Chapter affairs*. Without member interest and employer backing, CSI simply would not exist. Members and employers who support them pay dues, attend meetings, provide technical development expertise, imagination, and use of CSI specification formats that keep the Institute alive.

I can attest to the benefits of membership in CSI as it has afforded me many opportunities, including providing industry specific insights, education, informational, and technical resources, up-to date developments in the standards and formats used by the A/E and construction industry, career development opportunities, and a source for networking/connecting with colleagues and industry experts to share ideas, challenges, trends, best practices, questions, and experiences.

Through involvement in CSI, I would attest that employers, colleagues and associated professionals all benefit from working at the chapter level. CSI Membership is an investment in the future. I, for one, am grateful that the company I work for, Robert E. Beach Architects, LLC, has been very supportive of my efforts and involvement in CSI. For the past 11 years, I have been fortunate to be working for a friend and colleague, Robert E. Beach, AIA, LEED AP BD+C, who has encouraged and assisted my participation in CSI. At this time, I would like to take this opportunity to publicly thank him for his support and commend him for his service and dedication to the architectural and engineering profession.



Robert E. Beach, left.

It is only fitting, at this time, to bring to the Chapter's attention, the news of a distinguished achievement award presented to Bob at the Commonwealth of Virginia level. In November of 2014, he was awarded a **distinguished achievement award** known as "*The Citizen Architect*", presented by The Virginia Society of the American Institute of Architects (VSAIA), a component of the AIA. The award was given in recognition of Bob's sterling example as a visionary, his selfless service to the building profession and the community through leadership roles in many professional, civic, and non-profit organizations, as well as his many significant contributions to distinguished causes which support the community.

The award committee assigned special merit to Bob's pro-bono design of the **Turning Point Suffragist Memorial** located within Occoquan Regional Park in Lorton, Virginia. It memorializes individuals and historic events instrumental in the passage of the 19th Amendment, giving women the right to vote.

As 2015 progresses, I am hopeful that our Chapter will continue to serve its members in a productive and efficient manner. I also hope to continue to reach out with efforts that will encourage member participation and growth, and to work at being sensitive to member's needs. I close this column by asking you, our members, for your help and support throughout the coming year. Be an active Chapter member—attend events—make your voice heard. We can work together to make 2015 an exciting and successful year. Think about the things mentioned in this article and talk it up amongst your peers and associates.

Cheers!! See you at the January 2015 anniversary banquet. ❖

NATIONAL HERITAGE ATTIRE



German



Chilean



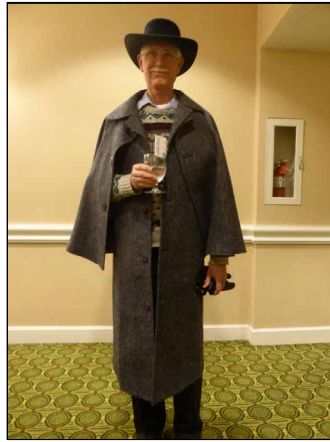
Australian



Spanish



Italian



Our heritage man, Michael Stenberg



Native American



Caledonian



Slovak



Greek



Mexican

January is our Annual Anniversary Banquet month. Spouses and guests are invited to attend. Fellows are allowed to wear their medals. An interesting program topic is selected for the after dinner presentation. This tradition goes back 22 years. This year we've added a twist because Michael Stenberg showed up at our December meeting in attire of his heritage. NOVA Chapter declared January to be Heritage Month in Northern Virginia, in spite of the fact that every month is Heritage Month in some country. We invite you to join in the festive mood wearing the attire of your heritage. Some ideas are illustrated above. Have fun. ❖

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.



ULTRA HIGH-STRENGTH CONCRETE

Whereas concrete has been used for solid objects whose formal language is strongly limited by a minimum wall thickness, today completely different results can be achieved with ultra high-strength concrete. Thanks to special mathematical modeling procedures, the optimum particle density can be set for the particular application. By adjusting the cement content, the water film density can be significantly reduced by up to 40%, and the compression strength is considerably increased. The use of costly additives is unnecessary and material costs are reduced by up to 35%. Ultra high-strength concrete has enormous CO₂-reducing potential. Moreover, the higher packing density raises resistance to external influences.

Shapes are produced with a newly developed process involving the folding of concrete. Fiber-reinforced concrete from the company G.tecz is rolled out and manually folded into flexible molds. The thin walled objects produce shapes and surfaces not replicable via conventional concrete casting methods.



HOLLOW SPHERE STRUCTURES

These tiny high-strength hollow spheres offer an option for flexibly filling non-rigid geometrical shapes. They are produced on the basis of EPS spheres. In an air-suspension coating process, these are coated in a suspension made from metal or ceramic powder, binding agents, and water, and subsequently heated. The polymeric material evaporates, and what remains are hollow spheres made of metallic or ceramic material. Thanks to this production principle, any material that can be sintered is suitable for processing. The material properties can influence the thickness and porosity of the outer surface as well as the base shape. On account of the high porosity and the many surfaces that interact, the thermal conductivity of hollow spheres is considerably lower than that of solid materials. To achieve particular properties, other materials can be injected into the existing hollow sphere. Given the geometry of the sphere, hollow sphere structures boast pressure-resistant and rigid characteristics. Hollow spheres are 4070% lighter than solid-state ones.

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

Chapter Board of Directors

President	Luigi Grande..... luigig2288@verizon.net
President-Elect	Jesse Oak oakj@pbworld.com
Immediate Past Pres.	Deborah MacPherson .. dmacpherson@cannondesign.com
1st Vice President	John Geniesse jgeniesse@stanleyworks.com
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Treasurer	Diane Pittman..... diane.pittman@cox.com
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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

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E.T.C.*	Mike Clancy/John Geniesse, Co-Chairs mclancy1@verizon.net / jgeniesse@stanleyworks.com * (Education/Technical/Certification)
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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 mgcccs@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 encouraged. Submit them in Word DOC format to deloren@verizon.net. 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