



## SOUTHWEST VIRGINIA CHAPTER

<http://chapters.usgbc.org/swvirginia/>

<http://www.usgbcswva.org>

# FEBRUARY 2009

## GREEN CHEMISTRY AND BUILDING MATERIALS

17 February

1004 Pamplin Hall, Virginia Tech, Blacksburg, Va

5:30pm – Networking, 6:00pm – Presentation

### Green Chemistry

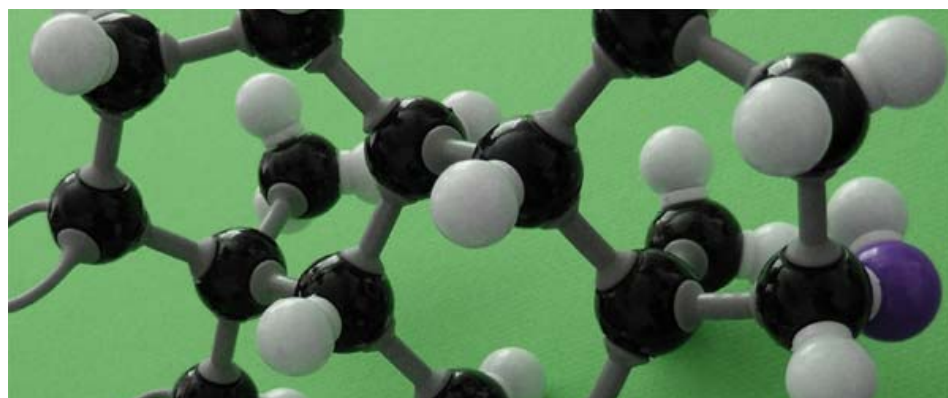
In 2003, Felicia Etzkorn and her colleague, Tim Long, a polymer chemistry Professor at Virginia Tech, noted the absence of any course in the new and exciting area of Green Chemistry. They started a course, just for fun, and got a remarkable response from students all over campus. Since then, Etzkorn developed a full-fledged 3 credit course in Green Chemistry that has become a standard part of the chemistry curriculum. With a crying need for sustainability in all walks of life, chemistry has become part of the solution. Green Chemistry seeks to avoid the production of hazardous chemicals and processes, to use sustainable feedstock materials, and to minimize the use of non-renewable energy. We examine at all aspects of material production and processing, including building materials, from a life-cycle analysis perspective.

### Felicia Etzkorn

After her Ph.D. in Chemistry from University of California she worked as a National Institute of Health Postdoctoral Fellow at Harvard Medical School. She currently serves Virginia Tech as an Associate Professor of Chemistry. Prior to Virginia Tech she worked as an Assistant Professor of Chemistry at the University of Virginia while serving the Cancer Center Program and the Interdisciplinary Program in Biophysics.

Her recent publications have been included in the *Journal of the American Chemical Society* and the *Journal of Medicinal Chemistry*.

She is a coauthor for the patent titled *Peptidomimetic of Helix-Turn-Helix or Gamma-Turn*.



Membership in the chapter is not a requirement to attend. SWVa USGBC encourages anyone who is interested to visit.

Please send notification of your attendance so we can plan ahead.

#### Please RSVP to:

James Ruhland

phone: (540) 382-2002 x 348

fax: (540) 381-8270

[jruhland3@chpc2.org](mailto:jruhland3@chpc2.org)

Dinner is not part of the program but a restaurant spot is convenient for gathering afterwards.

#### For chapter info. contact:

Steve Sunderman

(540) 344-1212

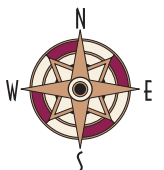
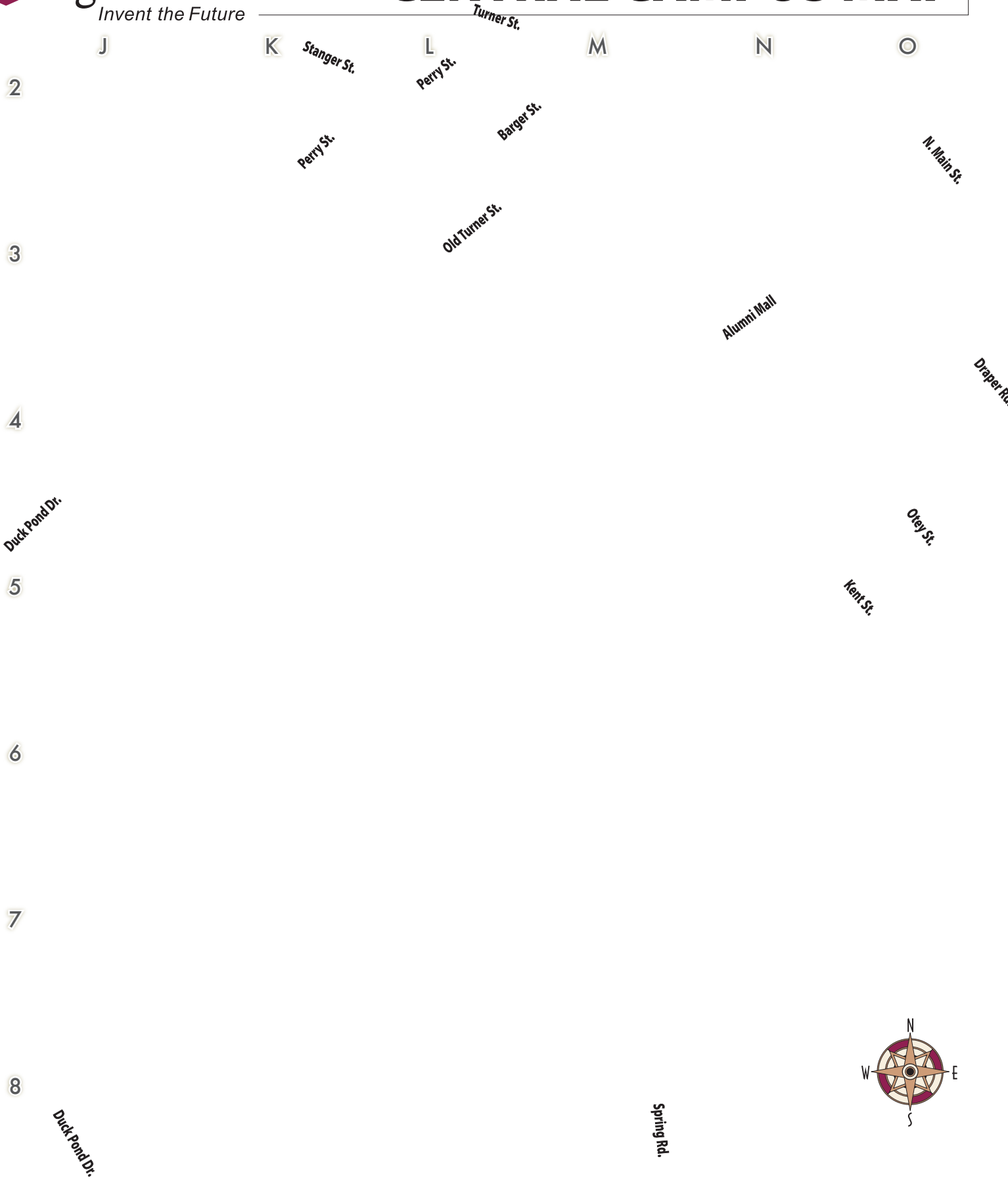
[ssunderm@rmm.com](mailto:ssunderm@rmm.com)

#### Driving Directions

##### From I- 581 Southbound

1. Take Exit 118 A-C to reach the exit ramps for all three of the exits at this location. There is only one exit ramp serving the exits; missing the ramp means a trip north to Exit 128 or south to Exit 114 to turn around.
2. Take Exit 118B onto U.S. 460 West. This exit connects directly to the Christiansburg Bypass. Follow the signs for Blacksburg/Virginia Tech. The U.S. 460 bypass between Blacksburg and Christiansburg is a limited-access highway from I-81 to the campus entrance at Southgate Drive.
3. Do not take this central exit to the campus but rather continue on U.S. 460 for about a mile to the Prices Fork Road exit for "Downtown".
4. At the second traffic light, make a right turn onto West Campus Drive. Take your first left onto Perry St. Pamplin Hall is behind Derring Hall. Look for room 1004.

# CENTRAL CAMPUS MAP



- Academic Buildings
- Athletic Facilities
- Residential & Dining Facilities
- Support Facilities
- Research Facilities
- Parking Lots

## Alphabetical Key

K-7 ..... 109 ..... Agnew Hall	O-6 ..... 027 ..... Miles Hall
L-7 ..... 113 ..... Agriculture/Forestry Research Laboratory Facility	M-2 ..... 203 ..... Military Building
M-2 ..... 204 ..... Air Conditioning Facility	N-2 ..... 008 ..... Monteith Hall
M-8 ..... 032 ..... Ambler Johnston Hall	N-6 ..... 040 ..... New Residence Hall – East
M-2 ..... 196 ..... Art and Design Learning Center	N-6 ..... 024 ..... Newman Hall
O-6 ..... 026 ..... Barringer Hall	N-4 ..... 177 ..... Newman Library
J-9 ..... 120 ..... Bioinformatics Phase II	L-4 ..... 132 ..... Norris Hall
M-3 ..... 005 ..... Brodie Hall	M-3 ..... 201 ..... Old Security Building
L-2 ..... 270F ..... Building 270F	N-6 ..... 029 ..... O’Shaughnessy Hall
K-4 ..... 171 ..... Burchard Hall	N-5 ..... 195 ..... Owens Hall
K-4 ..... 193 ..... Burke Johnston Student Center	K-4 ..... 153 ..... Pamplin Hall
L-4 ..... 176 ..... Burruss Hall	L-4 ..... 127 ..... Patton Hall
L-6 ..... 036 ..... Campbell Hall	M-6 ..... 039 ..... Payne Hall
L-8 ..... 194 ..... Career Services Building	M-6 ..... 041 ..... Peddrew-Yates Residence Hall
N-8 ..... 187 ..... Cassell Coliseum	M-3 ..... 175 ..... Performing Arts Building
L-7 ..... 112 ..... Cheatham Hall	M-2 ..... 202 ..... Power Plant
J-4 ..... 158 ..... Chemistry/Physics Building	K-6 ..... 102 ..... Price Hall
L-8 ..... 038 ..... Cochrane Hall	L-3 ..... 277 ..... Price House/Women’s Resource Center
M-3 ..... 270G ..... College of Science Admin. Bldg.	M-7 ..... 031 ..... Pritchard Hall
K-3 ..... 172 ..... Cowgill Hall	L-3 ..... 133 ..... Randolph Hall
K-5 ..... 156 ..... Davidson Hall	N-3 ..... 004 ..... Rasche Hall
K-4 ..... 155 ..... Derring Hall	K-5 ..... 154 ..... Robeson Hall
M-7 ..... 189 ..... Dietrick Hall	L-6 ..... 101 ..... Sandy Hall
L-2 ..... 126 ..... Durham Hall	K-6 ..... 106 ..... Saunders Hall
M-5 ..... 022 ..... Eggleston Hall	L-7 ..... 108 ..... Seitz Hall
L-7 ..... 110 ..... Engel Hall	N-2 ..... 006 ..... Shanks Hall
M-3 ..... 013 ..... Femoyer Hall	N-2 ..... 188 ..... Shultz Hall
P-10 ..... 240 ..... Fleet Services	M-6 ..... 035 ..... Slusher Hall
L-7 ..... 111 ..... Fralin Biotechnology Center	L-3 ..... 356 ..... Smith House
O-5 ..... 251 ..... Graduate Life Center at Donaldson Brown	L-6 ..... 105 ..... Smyth Hall
J-7 ..... 274 ..... The Grove	J-6 ..... 275 ..... Solitude
K-5 ..... 157 ..... Hahn Hall	N-4 ..... 180 ..... Squires Student Center
K-3 ..... 133C ..... Hancock Hall	L-8 ..... 192 ..... Student Services Building
L-8 ..... 042 ..... Harper Hall	N-12 ..... 183 ..... Tennis Center
O-3 ..... 179 ..... Henderson Hall	M-2 ..... 012 ..... Thomas Hall
K-7 ..... 054 ..... Hillcrest Hall	M-4 ..... 174 ..... Torgersen Hall
L-3 ..... 130 ..... Holden Hall	N-5 ..... 178 ..... University Bookstore
L-6 ..... 103 ..... Hutcheson Hall	O-5 ..... 252 ..... University Club
N-8 ..... 187B ..... Jamerson Athletic Center	N-5 ..... 025 ..... Vawter Hall
N-6 ..... 028 ..... Johnson Hall	K-7 ..... 301 ..... Wallace Annex
M-3 ..... 001 ..... Lane Hall	K-8 ..... 115 ..... Wallace Hall
N-7 ..... 030 ..... Lee Hall	M-4 ..... 181 ..... War Memorial Chapel
K-8 ..... 118 ..... Litton-Reaves Hall	M-6 ..... 182 ..... War Memorial Hall
M-3 ..... 007 ..... Major Williams Hall	K-3 ..... 134 ..... Whittemore Hall
M-3 ..... 151 ..... McBryde Hall	K-5 ..... 152 ..... Williams Hall
N-8 ..... 187A ..... Merryman Athletic Facility	J-5 ..... 276 ..... Wright House