



## American Chemical Society Susquehanna Valley Section

### APRIL 2011 NEWSLETTER

The three hundred and ninety sixth meeting of the American Chemical Society Susquehanna Valley Section will be held on Wednesday, April 13, 2011 in the PNC Bank Board Room 500, Brennan Hall on the University of Scranton campus. The meeting will begin at 7:30 PM and will be preceded by dinner at 5:30 PM at the Kildare's Irish Pub, Scranton, PA. The speaker will be Dr. Sean Devine of the University of Scranton.

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### *"Palladium-Catalyzed Carbene Insertion Reactions"*

Sean Devine, PhD  
Lecturer in Chemistry  
University of Scranton

Palladium is shown to catalyze the three-component coupling of vinyl halides, trimethylsilyldiazomethane, and nucleophiles. The reaction is believed to proceed through a palladium-carbene intermediate  $LX(R)Pd=CHSiMe_3$  that undergoes migration of the vinyl substituent to the electrophilic carbene center to generate an  $\eta^3$ -allylpalladium intermediate. The allylpalladium intermediate is attacked by nucleophiles to generate a vinylsilane product.

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Dr. Devine is a native of Brooklyn and received his B.S. in Chemistry from Hunter College of CUNY in 2004. He then obtained his Ph.D. in Organic Chemistry from the University of California, Irvine in 2009 working under the direction of David van Vranke. Sean did a postdoctoral stint at Cornell under Jon Njardarson doing synthetic organic. He is currently a Lecturer in Chemistry at the University of Scranton.

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**DINNER:** The meeting will be preceded by a reception and dinner from 5:30-7:15 P.M at Kildare's Irish Pub in the Cottage Room, 119 Jefferson Avenue, Scranton, PA 18503. Their website is [kildarespub.com](http://kildarespub.com) and their telephone number is: (570) 344-4030. The dinner will be served à la carte. If you are interested in attending the dinner, please RSVP to Debbie Jennings, [jenningsdl@scranton.edu](mailto:jenningsdl@scranton.edu) or call (570) 941-6286 by 4:00 P.M. on April 12, 2010.

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#### **DIRECTIONS TO UNIVERSITY OF SCRANTON:**

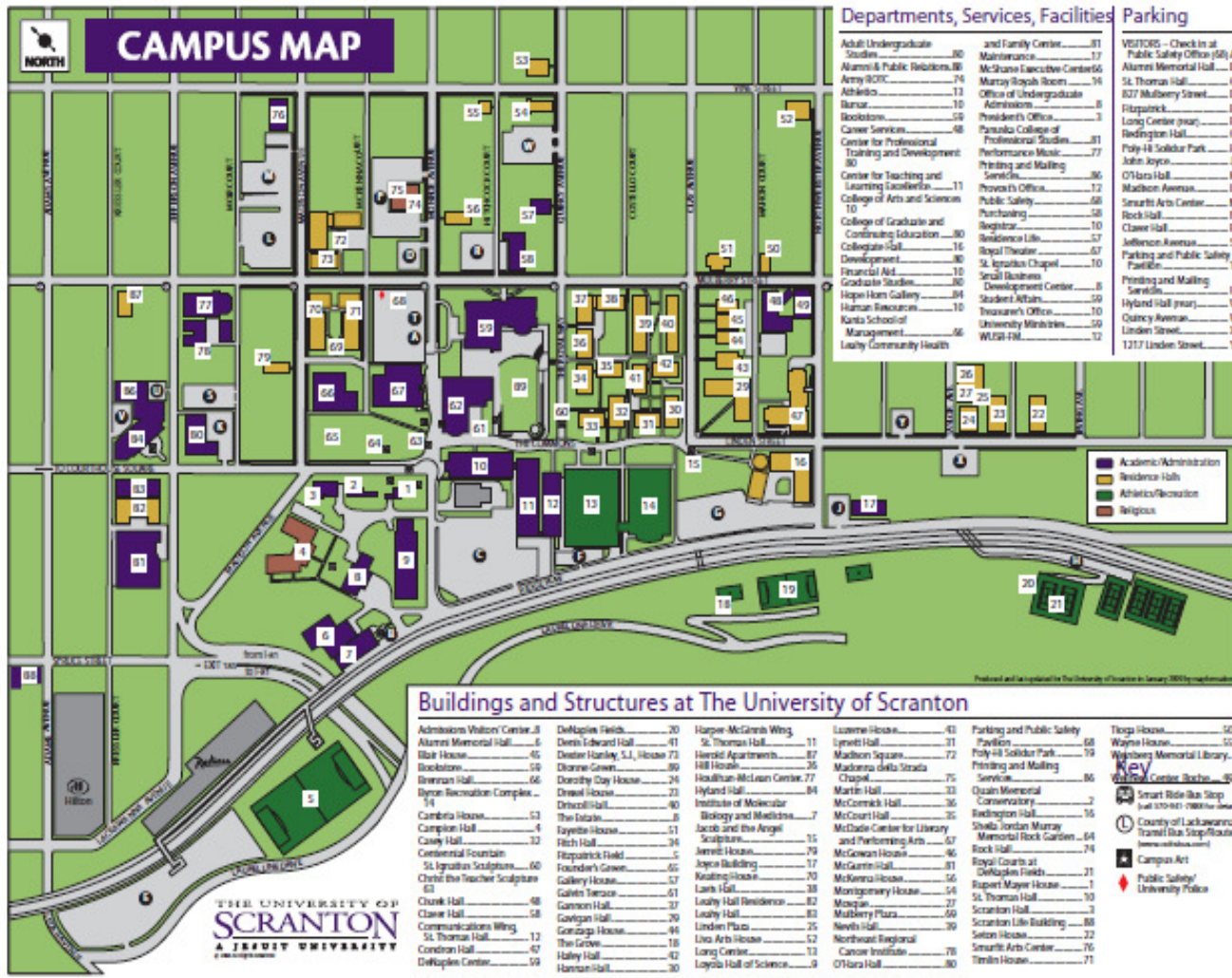
I-80 East to I-81 North to Exit 185 (Central Scranton Expressway). Follow signs to campus (on right). Before the first traffic signal, turn sharply right onto Madison Ave. Proceed 2 blocks and turn right at the light onto Mulberry St. After 1 block, turn right into the main entrance (level 2) of the Parking and Public Safety Pavilion, and park on the 4th and 5th levels (ONLY). Please do not park in any other area other than what is designated. When you exit the front entrance of the Parking Pavilion on Monroe Avenue, you will be facing The DeNaples Center on Monroe Street. The lecture will be in the **PNC Bank Board Room 500 in Brennan Hall** which is in the large brown brick building on Madison Avenue halfway between Linden and Mulberry Streets.

<http://matrix.scranton.edu/campusmap/default-2d.shtml>

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**WALKING DIRECTIONS FROM THE UNIVERSITY OF SCRANTON TO KILDARE'S IRISH PUB:** The walking distance from the Parking Pavilion to Kildare's is approximately 4 blocks. When exiting the main Parking Pavilion entrance on Monroe Avenue, turn right and keep walking straight until you reach Linden Street. Then turn right again and walk down approximately 2 blocks to the traffic light at Jefferson Avenue. You will walk past a church on your left. At the light, you will cross Jefferson Avenue and then turn left and walk one block to Spruce Street and cross the street. Keep walking straight and shortly you will see Kildare's Irish Pub on the right hand side. It's a blue building and directly across the street from the Radisson Hotel at Lackawanna Station (major Scranton landmark). **NOTE:** When you are coming off the Central Scranton Expressway and you come to the red light at Jefferson Avenue, you can see Kildare's across the street to the left. Kildare's is across the street from the Radisson Hotel at Lackawanna Station.

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Section Web Page: <http://departments.kings.edu/SusquehannaValleyACS>

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