

ASM Washington DC Chapter
*****February Meeting Announcement*****
Sponsored by ECS!
Joint Meeting with NACE!

(Special Note: 11:30 AM Start Time)

Microbiologically Influenced Corrosion in Humid Environments
Dr. Brenda Little, Naval Research Laboratory, Stennis Space Center

Date: Wednesday, February 19

Time: 11:30 am Social; 12:00 pm Lunch (\$20); 1:00 pm Presentation

Place: Eisenhower Metro Center Holiday Inn, Alexandria, VA (see directions below)

RSVP: Please email brett.baker@nist.gov by MONDAY, FEBRUARY 17th at NOON.

Menu: Pasta Primavera, with or without grilled chicken

Abstract: The term microbiologically influenced corrosion (MIC) is used to designate corrosion due to the presence and activities of microorganisms. Microorganisms can accelerate rates of partial reactions in corrosion processes and/or shift the mechanism for corrosion. Most laboratory and field MIC studies have focused on bacterial involvement in aqueous environments; however in humid atmospheric conditions, fungi dominate the microflora. A review of fungal influenced corrosion, emphasizing the environmental conditions contributing to the proliferation of fungi and mechanisms for the resulting corrosion will be presented.

Biography: Dr. Brenda Little is currently a senior scientist for marine molecular processes at the Naval Research Laboratory, Stennis Space Center, MS. She holds/has held adjunct faculty positions at both the University of Southern Mississippi and Montana State University. Dr. Little has an extensive publication list; she has authored 77 peer-reviewed journal articles and has authored chapters in a variety of book publications. She has been awarded for her

outstanding research; most recently, she received the NRL Alan Berman Research Publication Award (2002). Dr. Little received her B.S. in Biology/Chemistry from Baylor University in 1967 and her Ph.D. in Chemistry from Tulane University in 1983.

DIRECTIONS: See section below that best fits your starting location. It is most straightforward - and for most attendees, fastest - to reach the Holiday Inn/ Eisenhower Metro Center via nearby Virginia exits from the Capital Beltway. There is also a Metro stop (Eisenhower Avenue - Yellow Line) about one block east of the Holiday Inn.

FROM POINTS EAST/SOUTHEAST OF CAPITAL BELTWAY (e.g., NRL, BALTIMORE, ANNAPOLIS, WALDORF): Take I-95 South ("Inner Loop" of Capital Beltway), go over Woodrow Wilson Bridge into Virginia. Take Exit 176B (old exit 2B) - Telegraph Road North/Alexandria. As soon as you come off ramp, make first right onto Pershing Road. At the stoplight, turn right onto Stovall

Street and keep straight through the next stoplight, crossing Eisenhower Avenue, into the hotel parking lot. (more next page ->)
FROM POINTS NORTH AND WEST (e.g., I-270 CORRIDOR, GREAT FALLS, TYSONS CORNER): Take I-495 South ("Outer Loop") to Northern Virginia. Stay on the Capital Beltway where I-495 (East) and I-95 (North) merge and you will see the new exit for the Eisenhower Avenue connector - Exit 174 (old exit 3A). Go down the ramp and turn LEFT on Eisenhower Avenue connector at light. At next light turn right onto Eisenhower Avenue and keep straight for approximately 2.2 miles. You will approach a bridge, at bottom of this bridge turn right at Stovall Street stoplight into the parking lot of the Holiday Inn.

FOR THOSE COMING NORTH ON I-95 (e.g., U.Va.): Stay on I-95 North and I-495 East ("Outer Loop") toward Baltimore and Woodrow Wilson Bridge. Take Eisenhower Ave. Exit (174, beyond Van Dorn) and follow remaining directions above.

FROM ROUTE 1 OR THE GEORGE WASHINGTON PARKWAY: take Duke Street west, turning left (south) onto Holland Avenue. Turn right (west) onto Eisenhower Avenue. About a block beyond the Eisenhower Ave. metro stop, you will find the hotel on the left. Turn left at the light to get into the hotel parking lot.