

# WESTERN NEW YORK SCIENCE AND TECHNOLOGY FORUM

## *Horizons of the Sciences 2011/2012*

Wednesday Evenings - 7:30-9:30 PM

in Room 201 Natural Sciences Complex, UB Amherst Campus

Secretary: Barbara Raff – 645-6805

Director: Prof. George H. Nancollas – 645-4284

Co-Directors: Dr. Stephen Free – 645-4935 & Dr. Marcus Bursik – 645-4265

- September 7            PROF. GERALD R. RISING, SUNY Distinguished Teaching Professor Emeritus, Department of Learning and Instruction, University at Buffalo  
*"Messages from a Small Toy"*
- September 14        **4:30 PM Visit** to GZA GEOENVIRONMENTAL OF NEW YORK, 535 Washington Street, 11<sup>th</sup> Floor, Buffalo, NY  
Mr. Bart A. Klettke: *"Turning a Brown Field into a Green Field"*
- September 21        **4:30 PM Visit** to AMHERST WASTE WATER FACILITY, 455 Tonawanda Creek Road, Amherst, NY  
Mr. Dan Glico, Plant Superintendent – *Tour of facility*
- September 28        MS. MIRANDA K. WORKMAN, President, Purrfect Paws Animal Behavior Center, Tonawanda, NY  
*"Nature and Nurture: Relationships between Environment and Genetics"*
- October 5            **7:00 PM Visit** to WILLIAMSVILLE SPACE LAB PLANETARIUM located @ Williamsville NORTH High School, 1595 Hopkins Road, Williamsville, NY  
Mr. Mark Percy, Williamsville North High School
- October 12            MS. JUDITH LEVAN, Warning Coordination Meteorologist for the National Weather Service  
*"Weather Forecasting Technology – How it Works"*
- October 19            DETECTIVE SERGEANT MIKE TORRILLO, Amherst Police Department, Amherst, NY  
*"Current Trends in Drug Abuse"*
- October 26            DR. MICHELLE RAINKA, Dent Neurologic Institute, Amherst, NY  
*"Prescription Drugs and Abuse in the USA"*
- ~~November 2            PROFESSOR TRACY K.P. GREGG, Department of Geological Sciences, University at Buffalo  
*"Submarine Exploration of Volcanoes at Mid-ocean Ridges"*~~
- November 9            PROFESSOR MICHAEL C. YU, Department of Biological Sciences, University at Buffalo  
*"Bioinformatics – What it is and How it will Affect our Future"*
- November 16          PROFESSOR KEVIN K. WILLIAMS, Director of Planetarium, Buffalo State College  
*"Inspiring Students with Current Solar System Missions"*
- November 30          MR. JOHN HOLKO, President of Lenape Resources, Alexander, NY  
*"The Marcellus and Utica Shales: A Detailed Look at What 'Hydraulic Fracturing' Really Is and What it Means for New York"*
- December 7            SUNY DISTINGUISHED PROFESSOR ESTHER S. TAKEUCHI, Greatbatch Professor of Advanced Power Sources, Dept. of Chemical & Biological Engineering, University at Buffalo  
*"Recent Advances in Battery Technology"*
- December 14          DR. HELEN M. DOMSKE, Associate Director, Great Lakes Program, University at Buffalo  
*"Ecology of the Great Lakes, Past, Present and Future"*
- January 4            PROFESSOR ANDREW S. WHITTAKER, Chair, Dept. of Civil, Structural, & Environmental Engineering, University at Buffalo  
*"Fukushima Daiichi, Nuclear Power and UB Research Impact"*  
*Venue TBA*
- January 11            **4:30 PM TOUR** OF STRUCTURAL ENGINEERING AND EARTHQUAKE SIMULATION LABORATORY (SEESL) – **MEET @ 4:30 PM** in KETTER HALL, Room 140, on UB's North Campus  
Mr. Tom Albrechtski, Operations Manager

***There is a \$30.00 charge for the lecture series. Make checks payable to "WNY Science Forum".***