AIPG GEORGIA SECTION

July 2018

8th Conference on: Innovative Environmental Assessment and Remediation Technology

When: Tuesday-Wednesday, September 18-19, 2018
Where: Kennesaw State University, Continuing Education
3333 Busbee Drive, GA 30144
Go to the web site at: http://georgiaaipg.weebly.com/

PRESIDENTS MESSAGE

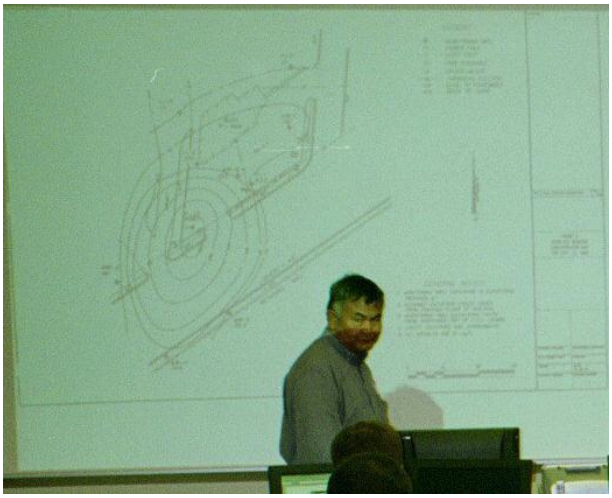
This is our first announcement for our upcoming conference. It's starting to pull together and we have a good variety of speakers. The detail information will be coming out soon on speaker titles and exhibitors. We would like to see more sponsors supporting our conference. I would also like to congratulate our student chapter at Columbus State that has won for the second time Student Chapter of the Year. We have already awarded the chapter $500.00 and I'll be contacting the chapter president to see who will be going to Colorado Springs for our annual National conference. Our student chapter at Berry College came in second place in only their third year of competition. Most of our activities this fall will be focused on our conference but we do have plans to do another drilling demonstration at University of North Georgia for the first time. If new student officers have been elected at your chapter for 2018-2019, please email me their email addresses.

On a sad note my very close friend Yo Sumartojo passed away on June 6, 2018. I first met Yo on a Georgia Geological Society field trip in the early 1990s where we sat together on the bus. Both Yo and I had worked previously for Exxon but in different divisions. In 1999 Yo and I started to teach our Fate and Transport class using Bioscreen with Georgia Ground Water Association. From 2002 to 2006 we taught the class with AIPG Georgia Section. In 2000 Yo was working for one of the UST state contractors and he reviewed reports for the program and him and I would get together and had some lively discussions on recommendations for the reports. We had our first Innovative Conference in 2008 and Yo was in charge of getting speakers for the conference and getting the schedule together. He did this for all our previous seven conferences. We would get together either at Duncan Donuts or McDonalds to discuss the conference. You always saw him at our registration table. I always wanted to recognize

him for his help but he did not want any publicity. He was a true gentleman and I will miss him dearly.

DR. YO SUMARTOJO

Obituary for Dr. Jojok Sumartojo, 1937 to 2018

Yo teaching the fundamentals of groundwater modeling

Jojok (Yo) Sumartojo was born in Surabaya, Indonesia, on July 5th, 1937. After completing his B.Sc. in Mining Engineering at the Bandung Institute of Technology in 1961, he received a scholarship from the US Agency for International Development to study engineering at the University of Kentucky. Once there, Yo discover that his true calling was geology, and he completed a M.Sc. at U.K. in 1966. Yo started his doctoral program at the University of Cincinnati, in 1966, but was compelled to return to Indonesia in 1968. In 1969 he accepted a teaching assistantship at the University of Adelaide in South Australia, and carried out his doctoral research on the Tindelpina Shale of the Adelaide Geosyncline. He received his doctoral degree from U.C. in 1974. In 1975, Yo, his wife, Esther, and their two young daughters moved to the United States, where he began a Visiting Assistant Professorship at Vanderbilt University. During his five years there, he developed courses on Environmental Geology that served him well professionally later in his career. In 1980, Yo joined a newly-formed shale research group at Exxon Production Research Co. in Houston. The Exxon program ended in 1986, and in 1988 the family made a final move to Atlanta, where Yo consulted on a wide range of environmental projects.

Though much of his career involved applied research, he authored numerous journal publications and conference presentations, and as a consulting geologist produced over 200 proprietary reports. Yo was always active in professional organizations, was vice president and founding member of the Atlanta Geological Society, and assisted in planning conferences of the American Institute of Professional Geologist's section on Innovative Environmental Assessment and Remediation Technology.

Yo had many interests, but in his later years he was particularly passionate about classical guitar, and studied and performed locally. He was an accomplished cook, and was known for his delicious Indonesian dinners.

Yo was known by his family, and many friends and colleagues as an intelligent, gentle, and generous man. Throughout his life, he remained true to his Javanese background, and to the integrity and high values of his family of origin. He was admired by colleagues, loved by friends, and had an enduring influence on his children and grandchildren. He is survived by Esther, his wife and life companion of 51 years; his daughters, Shanti and Rini; grandchildren, Adi and Ria; sons-in-law, Ben and Ray; sister Tries; and brother Subagio.

Yo and Glenn at our conference

AIPG MEMBER LOOKING FOR EMPLOYMENT

Benjamin Mark, MBA, PMP, CPG/PG
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Licensed professional with more than 20 years experience in small and mid-size environmental consulting industry, specializes in groundwater studies, works with stakeholders, clients, teams, and increases service revenue. Founder/partner of EcoGreen Solutions, LLC, a small consulting firm, since 2009 provides consistent services to private and public clients' $75K to $500K budget projects. Project management professional with strong regulatory knowledge and skills, initiates and manages projects from inception to completion on time and within budget. Dedicated professional designs and executes work plans, prepares, reviews and edits technical reports for approval. Reliable professional seeks position in a company for service, and work with management team for firm's steady growth and increase in revenue. Accomplished professional received compliments for provided services from clients including the General Services Administration (GSA). Knowledge areas include:

- Environmental Impact Studies
- Environmental Site Assessments
- Site/Remedial Investigation (SI/RI)
- Remedial Action (RA)
- Aquifer characterization
- Numerical modeling
- Water quality & resource
- Permitting
- Regulatory compliance
- Health and Safety
- Project management
- Energy & Sustainability

PROFESSIONAL EXPERIENCE

Senior Hydrogeologist/Managing Partner EcoGreen Solutions, LLC 2009 – Present

Provide groundwater expertise services to private and public clients' projects. Oversee firm's daily operations and prepare proposals, and manage projects from inception to completion. Coordinate with clients, project team, and subcontractors on project related tasks. Develop new businesses through the professional network and social media, and maintain existing clients' relationships. Facilitate, collaborate and negotiate effectively with regulatory agencies and clients on projects' compliance, technical, and case closure tasks.

- Provided groundwater expertise services to one of the large public capital improvement projects budget ranged from $500K-1M located in northern County, New Jersey.
- Developed new business and provided professional services to over 30 complex projects located in 10 Counties in New Jersey by managing and coordinating with clients and regulatory agency.
- Designed and executed work plans, including health and safety plans, and quality control project plans
- Maintained company's annual gross sales by 2% to 6%, and managed overhead cost and expenses without any debt.

Senior Hydrogeologist (Subcontractor) U.S. Department of Defense (Army) 2008-February 2009

U.S. Department of Defense (DoD), the lead federal agency responsible for conducting environmental investigations and implementing the final cleanup plans at a military base under the Base Realignment and Closure (BRAC) Act and Installation Restoration Program (IRP).

- Identified technical deficiencies of 43 IRP sites considered for No Further Action (NFA) under the BRAC, and arbitrated on addressing deficiencies and averted violations.
- Pinpointed inefficiency of groundwater remediation systems for dense non-aqueous phase liquid (DNAPL) and light non-aqueous phase liquid (LNAPL) contaminants, and initiated remedial measures for IRP sites.
- Edited groundwater flow and contaminant transport model documents prepared by other consultants for the establishment of a classification exception area (CEA) and provided technical solutions for IRP sites.
- Prepared groundwater flow model for the entire Fort Monmouth military base, and initiated contaminant transport model validation system for each IRP site.

Project Associate/Manager O'Brien & Gere Engineering, Inc. 2006 - 2007

Top 200 Engineering News-Record (ENR) listed company provides environmental consulting service to state, municipal, commercial, industrial, manufacturing and utility clients.

- Pinpointed DNAPL and LNAPL plume extent in bedrock and reduced RI cost by 25% and provided a remedial plan on time for the Superfund site.
- Reduced delineation cost 20%. Analyzed, developed and executed RI Workplan (RIWP), and received RI Report (RIR) approval from the regulatory agency on time for manufactured gas plant (MGP) sites.
- Arbitrated on previous RI unresolved issues addressed in Notice of Deficiency (NOD) letters, and received RIR and RA Workplan (RAWP) approval on time from the regulatory agency for MGP sites.
- Reduced clients' remediation cost by 20% by designing and implementing the cost-effective methodologies in RAWP.
- Received NFA letter on time from the state regulatory agency for a large pharmaceutical site upon successful completion of a CEA established in conjunction with an approved groundwater remedy.

EDUCATION, PROFESSIONAL DEVELOPMENT & TRAINING

- M.B.A. Global Economics, Eastern University, St. Davis, Pennsylvania (PA)
- B.Sc (Honors) & M.Sc (1983) Geology, Karnataka University, India
- Graduate Studies (1993-94) Hydrogeology, Wright State University, Dayton, OH

- Certified Professional Geologist (CPG), American Institute of Professional Geologist
- Professional Geoscientist (PG, License # 715), State of Louisiana
- Professional Geologist (PG, License #000919), State of New York
- Certified Groundwater Modeler, National Groundwater Association (NGWA)
- New Jersey Department of Environmental Protection (NJDEP) Licensed UST Closure/Subsurface Evaluation
- NJDEP's former temporary Licensed Site Remediation Professional (LSRP# 547258)
- Project Management Professional (PMP®), Project Management Institute, Inc. (PMI)
- OSHA 40 & 8 hours (annual) Hazwoper
- Conrail/Amtrak Safety Training

DIGITAL/SOFTWARE KNOWLEDGE

- Microsoft Word, Excel, PowerPoint, Outlook, Project Management
- Visual MODFLOW
- Geographic Information System (GIS), and Global Posting System (GPS)
- Digital/Social media network marketing
- State Environmental Agencies Database, and other work-related software

VOLUNTEER SERVICE

Help and provide technical support to non-profit organizations and poor neighborhood communities on public drinking water issues, and church-related mission work.

AIPG STUDENT SCHOLARSHIP WINNER

Robert (Trey) Bandemere
University of North Georgia

AIPG STUDENT CHAPTER OF THE YEAR

AIPG 2018 Student Chapter of the Year Award winner is Columbus State University in Columbus, Georgia. Congratulations! Photo: from left to right Coral Torres (Treasurer 2017-2019) (with $500.00 check in her hand), Brittany Plyler (VP 2018-2019), Hays Slaughter (SGE Representative 2018-19), Ron Wallace, Chance Seckinger (VP 2017-18), and Austin Caughey (President 2017-2019).

FEDERAL DOCUMENTS

House and Senate committees approve FY 2019 Interior-Environment appropriations bills

Both the House and Senate Appropriations Subcommittees on the Interior, Environment, and Related Agencies approved their fiscal year (FY) 2019 appropriations bills to fund the Department of the Interior (DOI), Environmental Protection Agency (EPA), and other agencies. The House bill (H.R. 6147; H. Rept. 115-765) directs $1.23 billion to DOI, an increase of $64.5 million compared to FY 2018 enacted levels, and the Senate bill (S. 3073; S. Rept. 115-276) provides an increase of $30 million to DOI for a total of $1.20 billion.

While the Senate provides flat funding for the U.S. Geological Survey (USGS) at $1.15 million, the House bill includes $19 million above the FY 2018 enacted level for USGS in FY 2019. Under Core Science Systems, both the House and Senate bills would provide funding increases for the 3D Elevation Program (3DEP), with a proposed increase of $1.5 million from the House

and $1.8 million from the Senate. For the National Cooperative Geologic Mapping Program (NCGMP), the Senate provides flat funding while the House would provide $1 million more in FY 2019 funding, directing the USGS to improve information on karst systems. Within the Mineral Resources Program, the new Three Dimensional mapping and Economic Empowerment Program (3DEEP) would receive $10.6 million from the House and $7 million from the Senate to improve the topographic, geological, and geophysical mapping of the United States. While the House bill matches the president's request to fund Energy Resources at $25.9 million, the Senate would increase the program's funding to $34.7 million in FY 2019. Both committees would preserve the Environmental Health Mission Area and provide full funding for the development of Landsat 9. The House bill would provide a $12.5 million increase and the Senate would provide a $2.5 million increase for the stream gage network. Both bills decrease funding for the Earthquake and Volcano Hazards programs compared to FY 2018 enacted levels – considering that the steep budget increases provided by Congress for those programs last year were intended to be a one-time occurrence – but the FY 2019 bills would still provide higher funding than appropriated in previous fiscal years to continue support for Earthquake Early Warning, Seismic Networks, and EarthScope USArray. The House would also provide a $150,000 increase to the Landslide Hazards program for post-wildfire debris flow hazard assessments and early warning, although the program would receive flat funding at $3.5 million from the Senate.

The Bureau of Land Management (BLM) would receive an increase of $55 million from the House bill and $11 million from the Senate bill for FY 2019. The House committee rejected the administration's proposal to consolidate accounts within Management of Land and Resources; however, the Senate bill accepted those proposed changes while maintaining funding of the programs at the FY 2018 enacted levels. The National Park Service would see an increase of $50 million from the House and $33 million from the Senate. Additionally, both bills would provide an increase for the Bureau of Ocean Energy Management at approximately $180 million and would decrease funding for the Bureau of Safety and Environmental Enforcement.

While the Senate bill once again proposes flat funding for the EPA, the House bill would decrease EPA funding by $100 million in FY 2019. The Forest Service would receive an increase of $364 million from the Senate and $197 million from the House. The Smithsonian Institution would maintain the same level of funding as last year from the Senate, but would receive an increase of $12 million from the House.

Senate Appropriations Committee approves NSF, NOAA, NASA, NIST, and OSTP funding

The Senate Committee on Appropriations approved their Commerce, Justice, and Science fiscal year (FY) 2019 appropriations bill. Similar to the House bill, the Senate Commerce, Justice, Science, and Related Agencies Appropriations Act, 2019 (S. 3072) would increase funding for the National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA) compared to FY 2018 levels, but decrease funding for the National Oceanic and Atmospheric Administration (NOAA) and the National Institute of Standards and Technology (NIST).

House and Senate pass appropriations legislation funding FY 2019 Energy and Water Development

In June 2018, the House and Senate consecutively passed the Energy and Water, Legislative Branch, and Military Construction and Veterans Affairs Appropriations Act, 2019 (H.R. 5895) to make progress on the appropriations process before the fiscal year (FY) 2019 deadline of September 30, 2018. More FY 2019 appropriations bills are slated to be considered in July, with Senate Majority Leader Mitch McConnell vowing to shorten the Senate's August recess to proceed with appropriations legislation and nominee confirmation.

FERC commissioners recommend against subsidizing coal and nuclear power plants in oversight hearing

The Senate Committee on Energy and Natural Resources held a formal oversight hearing for the Federal Energy Regulatory Commission (FERC) on June 12, 2018, with all five commissioners present for the first time in a decade. FERC is responsible for regulating the interstate transmission of electricity, oil, and natural gas, and plays an integral role in reviewing proposals to build natural gas pipelines and liquefied natural gas (LNG) terminals and providing licenses for hydroelectric power projects. In her opening statement, Committee Chairman Lisa Murkowski (R-AK) recognized that a full FERC hearing had become essential due to significant changes in the bulk power system over the past decade driven by developments in energy technologies, in addition to four new commissioners serving and an array of consequential issues in the news.

Most of the hearing focused on a leaked draft memo from the Department of Energy (DOE) about the Trump administration's plan to subsidize coal and nuclear power plants nearing retirement. The rationale provided in this memo is that coal and nuclear power plants provide a secure and stable supply of base load power and that, with the replacement of coal and nuclear plants by natural gas and renewables, the national power system is exposed to new cyber and physical security threats. During the hearing, the commissioners recommended that rather than subsidizing retiring coal and nuclear energy plants Congress should consider assigning mandatory security standards for natural gas pipelines. When asked by Chairman Murkowski, all five commissioners agreed that as the United States grid has transitioned to using more natural gas and renewable energy, the quality of service and security has not been compromised. Later in the hearing, Senator Barrasso asked if coal and nuclear sources were still critical for energy reliability, to which FERC Chairman Kevin McIntyre stated that FERC takes an "all of the above" electricity generation approach where coal will remain in the mix as long as energy rates are competitive with other sources. Commissioner Richard Glick noted that early estimates project that the cost of subsidizing retiring coal and nuclear plants would increase consumer electricity rates by $30 billion to $65 billion annually, which would countervail the commissioners' efforts to keep these rates low.

House subcommittee reviews three wind energy bills

The House Natural Resources Subcommittee on Energy and Mineral Resources discussed three bills that would boost offshore wind projects on June 26. One of the draft bills would amend the Outer Continental Shelf Lands Act to include a leasing program for offshore renewable energy.

Another draft bill would expand the Act to pertain to U.S. territories, such as Guam. The third bill would create a federal grant program to train workers who want to transition to offshore wind from other industries.

House Energy and Mineral Resources Subcommittee discusses oil and gas operations legislation

On June 6, the House Subcommittee on Energy and Mineral Resources considered four draft bills aimed at streamlining oil and gas production on federal lands. These bills support President Donald Trump's executive order (EO 13783), "Promoting Energy Independence and Economic Growth," to reduce regulations and processes that may hinder domestic energy development. On June 27, the committee approved three of these bills – H.R. 6087, H.R. 6107, and H.R. 6088 – on party line votes.

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