

TESTIMONIALS

OF BAMI-I DEVELOPMENT

JAMES H. ANSPACH

Distinguished Member ASCE, Elected Member National Academy of Construction. A.A. Professor Iowa State University



My journey with BAMI-I started many years ago when Dr. Tom Iseley asked for some assistance with developing course content for a new concept of creating a certification process for water asset managers. I remember a first meeting at IUPUI in 2013, where I joined the BAMI-I Board. We had approximately 20 SMEs in the room, many if not all who are still involved with providing direction and guidance for asset managers. We subsequently developed 4 courses of study, resulting in a Certification of Training in Asset Management (CTAM) program. In 2015, we developed the first UIS (Utility Investigation School) at the Trenchless

Technology Center at Louisiana Tech to provide educational opportunities about finding utilities with geophysics in accordance with ASCE 38, with a hands-on component. We switched primary control of this educational event to BAMI-I when we started presenting the class at other universities and locations. We have now presented 18 of these week-long schools, and demand keeps growing. As such, we are growing our reservoir of instructors and continually updating content to keep the course relevant. As testament to its up-to-date value, we have had several people take the course multiple times.

MAZIN AL-BALDAWI

Independent Consultant, Freelance



I am Mazin Faisal Al-Baldawi an Iraqi citizen that I have joined the online CTAM series wonderful informative courses from June 2015 to August 2016. It was a great challenge and great leap on personal qualifications

improvement as a value adding content. The four different courses study itself was not easy if I may say. Nevertheless, when I have finished my IEM-BA study on Infrastructure asset management subject at PGSM, I have on

search to support this new improvement of my academic achievements by going on a specialized aspect. That was the decision when I have started studying CTAM 100 as it was on a manual before being an electronic edition.

Although there are different related items during the aforementioned period but my main target has been achieved and I have obtained the final certificate of AWAM no. 53 which allowed me to join BAMI-I with the great assistance of a very generous respectful scientific man Dr. Tom Iseley. In matter of fact, Dr. Tom made me a favor by such assistance and opened the door for me to enrich my experience and the academic database by this opportunity.

However, my planning was to introduce BAMI-I in Malaysia when I was there during the time but unfortunately, there was some restrictions to achieve the target. On the other hand, I have succeeded to hold some small groups training on “infrastructure asset management” basis and conceptual planning in order to expand the knowledge base of this industry as its high contribution to any economy over the world.

My continues electronic contact with the BAMI-I through LinkedIn, e-mail newsletters and Mr. Saleh Behbahani direct contact kept me updated and informed about the institute and its expanding role in USA and in China now and hopefully that I can succeed to initiate a new contact to deliver the

scientific and rich experience to those who need it in most.

I owe Dr. Tom great thanks for his assistance and kind intention to spread knowledge around the world.

RONALD THOMPSON

Vice President, Waggoner Engineering



I was first introduced to BAMI in 2004 while in Asset management evaluating various technologies that could assist the Atlanta Department of Watershed management to address needed improvements across

the system. It was an exciting approach to bring together and evaluate best practice to address regulatory mandates and provide maximum sustainable level of serves to the customers served. Since that time, I have

seen the organization obtain EPA funding, develop, and launch Certification of Training in Asset Management, develop CTAM course CTAM100, CTAM200, CTAM300, and CTAM400. These courses set the basis for establishment of Certified Associate Water Asset Manager (AWAM) and Professional Water Asst Manager (PWAM). Since the initiation I have participated in numerous seminars to promote asset management concepts.

There is still much to do in the area of asset management, but the early recognition and focus of the organization has provided a catalyst for drawing focus to the value and need for continued education and innovation. I want to congratulate Tom Iseley for his continued dedication and leadership to move the organization forward.

MARCELLUS T. PITTS

CEO/President Pitts Fowler Enterprises, Inc. Board of Directors of BAMI-I 2019 ASCE Civil Engineering Entrepreneur of the Year



At first when I attended a Pipeline Conference in Nashville, Tennessee, I thought that I knew a lot about buried asset management, but I discovered that my exposure was limited. A few years later in meeting Dr. Tom Iseley, my exposure and understanding along with great opportunities exploded. My position, which at the time was heading The Infrastructure Planning Division at Fulton County Department of Public Works was just the beginning of my exposure to this industry. Then my life in the industry elevated, when I became part of a Think Tank Team, at the request of Dr. Tom Iseley, to help evaluate buried asset management technologies that could aid the City of Atlanta Department of Watershed Management in addressing the challenges they were encountering in their water and sewer systems. With that beginning I then became more aware of the opportunities that existed in Buried Asset Management. This also allowed me to be part of the team and process that created the Buried Asset Management Institute-International (BAMI-I). Yes, I have been with this organization since its inception. We were then off to share and expose to the world the possibilities that lie within Buried Asset Management.

Note a few of the following moments in time:

2004 BAMI-I Development

Buried Asset Management Institute, BAMI, was established in 2003, however because of a high level of interest from other domestic and international municipalities of all sizes (including product, service providers, academic, and research institutions) Buried Asset Management Institute-International, BAMI-I, was formed in 2004 as a non-profit organization.

2005 South African Trip

Traveled to South Africa to further discuss and introduce Trenchless Technologies to cities in South Africa, such as Johannesburg, Mogale City, Pretoria to name a few. The trip was fruitful for all involved. This trip exposed and educated many in South Africa to more excellent possibilities of addressing underground infrastructure issues.

2006 Japan

The expansion of a Trenchless product called "SSPRA Spiral Wound Technologies" into the US market and opening an office, in the Metro Atlanta area. This deeper dive into this area of the industry opened my eyes to the industry as it relates to product development.

2007 NCBM- National Conference of Black Mayors, Baton Rouge, LA

With the developing of a partnership with the National Conference of Black Mayors, BAMI-I worked with NCBM

to build opportunities for their membership to help their constituency live better lives through the supplying of better water and sewer services. At this conference BAMI-I coordinated a show case of Trenchless Technologies and Trenchless Companies. Also, provided and hosted The Managing Buried Treasures Reception. All of which were greatly received.

2008 ASCE Pipeline Conference

In cooperation with ASCE, the Pipeline Division Conference was hosted in Atlanta, Georgia. At this conference, there was great information shared about the underground infrastructure industry. One of the things that helped move the needle of understanding further was the exposure for industry personnel, politicians, students, and many others, to Buried Asset Management

2012 GCBM — Georgia Conference of Black Mayors

Created a working relationship with the Georgia Conference of Black Mayors. Offered Technical and Training Assistance to GCBM. BAMI-I participated in the GCBM Annual Spring Conference with the theme of "Job Creation".

Note that the timeline shared in no way truly represents what my association with Dr. Tom Iseley and BAMI-I has been and meant. This relationship has sent me into a trajectory that I never imagined or envisioned. I want to thank Dr. Tom Iseley for his dedication to Buried Asset Management, BAMI-I, and engineers like me who have been blessed by this man's vision.

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CORI CRISS

President, ITpipes



I'm honored to work with Tom (Iseley) and serve as a Director for the BAMI-I - Buried Asset Management Institute International - since 2019.

I was introduced to Tom in 2012, through a dearly missed mutual friend, Jim Raulston. Jim was regularly sharing Tom's concepts and thoughts with

me, of course, enhanced with Jim's own input and contributions! Jim worked with us on a Seattle Public Utilities (SPU) project and simultaneously was working with Tom on the RWELLS project - an innovative project that established a living lab to transform low-income risk neighborhoods into enterprise neighborhoods. The SPU project brought together sewer system condition assessment information to build a foundation with one high-quality, authoritative repository that was linked to GIS and met CMOM guidelines - a new concept for sewers at that time. These parallel projects both involved asset management planning overall and highlighted a core interest between our careers. With both of these industry stalwarts encouraging me, I was ecstatic and honored to become involved with BAMI-I.

My ITpipes team and I began actively working with BAMI-I to provide education sessions within the Trenchless Technology and Asset Management (TT&AM) classes. From there the relationship has grown. We've been involved with developing content for CTAM at different levels, providing content and case studies for Purdue's Underground Infrastructure Asset Management classes, and producing various case studies and marketing efforts. Tom's collaboration has shaped ITpipes' partnering with Purdue University to allow for real-world pipe inspection data and buried infrastructure scenarios to help future Asset Managers gain practical experience.

I'm excited to attend the Global Congress 2023 in Chicago and continue working with BAMI-I to shape and educate our industry.

RICHARD NICHOLS

Technical Director, Uni-Bell PVC Pipe Association



Uni-Bell has been a proud supporter of BAMI-I over the years. Initially involved with BAMI-I while at Louisiana Tech,

Uni-Bell has always seen the benefit that BAMI-I offers to asset managers and utility operators across the world. BAMI-I stated purpose to educate and assist those who have an interest in applying best-buried asset management practices to extend the life and efficiency of their assets closely aligns with Uni-Bell's goal to educate and assist those users and operators of buried, gasketed PVC pipe. Uni-Bell believes that a better understanding of buried asset management goes hand-in-hand with a better understanding of those various piping materials; learning about one helps with learning about the other.

Uni-Bell staff have been involved with BAMI-I in several different ways. Most recently, I have had the pleasure of working with BAMI-I staff to develop a PVC pipe educational seminar that will teach and assist those asset managers who do use the pipe material. Previously, I have attended several educational seminars. Having had the benefit of being both an attendee as well as an instructor provides a unique perspective that has shown me the true value of bringing asset management knowledge to the forefront of the industry.

SHAURAV ALAM

Associate Professor, Louisiana Tech university



I learned about BAMI-I when Dr. Iseley resumed at Tech back in 2014-15 and

assumed the directorship position at the TTC. Since then, I have been interested in BAMI's activities for managing buried infrastructure, the life-support systems for societies worldwide, which aligned with my research interest.

Dr. Shaurav Alam is presently serving as one of the Directors on the Board of the Buried Asset Management Institute — International (BAMI-I); thanks to Dr. Tom Iseley for making the recommendation. Dr. Alam is currently employed as an Associate Professor at the

Department of Civil Engineering and Construction Engineering Technology and an Associate Director of Research position at the Trenchless Technology Center (TTC), Louisiana Tech University. His involvement in research with Drs. Iseley, Sterling, and Matthews brought several international and national level recognitions — ISTT 2012 and 2022 - Annual Award Academic Research, NASTT 2012 Best Technical Paper award on Rehab Category, and NASTT 2011 student poster competition.

KURT D. WRIGHT

President of SDG Engineering, Inc.



My connection with BAMI-I began with CTAM 100 in January 2012. At that time, SDG Engineering, Inc. was writing its first Asset Management Plan (AMP) for a small municipality. I was tasked with writing the AMP and needed to broaden my understanding of Asset Management. I decided to take the CTAM 100 course after reading

about it in a magazine published by Benjamin Media Inc. I do not remember exactly which one now. As a result of taking CTAM 100, I met Dr. Tom Iseley, P.E., who was monitoring the CTAM 100 course. Through CTAM 100, Dr. Iseley and I began to correspond via email. We have been close associates ever since. The AMP mentioned

above, developed by SDG Engineering, was submitted to the regulatory agency and highly acclaimed by them. Dr. Iseley invited me to join BAMI-I. Upon joining, I became involved in the development of CTAM 200. Subsequently, I was involved in developing both CTAM 300 and 400. When the CTAM series began to be taught in classroom settings in various locations in the U.S., I was invited to become part of the team of instructors. Although I have contributed numerous hours to BAMI-I in developing CTAM, I have gained much more in return. I attribute my skill set in Asset Management largely to Dr. Iseley and the BAMI-I organization, my colleagues, and my friends. I currently serve on the Board of Directors for BAMI-I.

Executive director, Latin America Society of Trenchless Technology

On March 31, 2015, before the general assembly of members of ICTIS/CISTT (Colombian Association of Trenchless Technologies), Dr. Tom Iseley presented the CTAM 100-200 program in the city of Bogotá, Colombia. At that moment we started the path towards

In 2019, Dr. Tom Iseley presents the content of the 16-hour, short course mapping course for asset management in Spanish. To develop the management of buried assets, two fundamental tools are required that we must implement first: mapping and inspection

aqueduct and sewerage company in Colombia (12 million users) through a conference by Dr. Tom Iseley because government authorities have demanded the presentation of the 5, 10 and 15-year program with indicators such as the unbilled water losses.



In the year 2022, we did the first virtual course of 16 hours-short course of mapping with GIS. The course consists of 4 modules. Each module has a theoretical exam and there are two practical workshops with an exam to opt for certification. We had 12 attendees. We attended the general assembly at Purdue University in Indianapolis and delivered the manual in Spanish.

In 2023, the second mapping course and the first face-to-face course were held at the 4th Latin American Congress of Trenchless Technologies with the presence of Dr. Tom Iseley to promote the BAMI-I GLOBAL CONGRESS 2023 in Chicago.

the implementation of management of buried assets.

In 2016, Dr. Tom Iseley presented a master class in the city of Cartagena, Colombia to socialize the topic of Buried Asset Management before the Colombian water and sewage authorities.

In 2017, Dr. Tom Iseley presented the importance of having a certification program for network mapping at the Trenchless World Congress held in Medellín, Colombia.

In 2018, we attended the CTAM course in Lewisville, Texas to learn about the content and importance of the CTAM program.

tion of pipes and manholes. We implemented the mapping with the support of BAMI-I and the inspections with the support of NASSCO INC.

In the year 2020, we affiliated as CISTT to BAMI-I and attended the first assembly in Texas. There, we began to prepare the logistics for the mapping course that we already have on the web today. We define the quality of instructors. The 40-hour course that BAMI-I does with UESI was required. Before pandemic!

In 2021, we prepared the manual for the 16-hour short course of mapping with chalk, during the pandemic. Dr. Tom Iseley presented in the largest



RICHARD THOMASSON

Acadis U.S., Inc. (Retired)



I was working with Parsons Brinckerhoff and was the project manager for a sewer separation project we had

with the City of Atlanta. Tom Iseley and I knew each other since we were founding directors of NASTT. He asked Parsons Brinckerhoff to come to the formation meeting of BAMI-I. I recommended to my boss, Bill Gray that we become a founding member of BAMI-I and he agreed. We joined as a founding member and assisted with various things with the City of Atlanta. In 2008 I left Parsons Brinckerhoff and went to work for Malcolm Pirnie who was also a founding member of BAMI-I. I have participated in the development of the CTAM program and am the chair of the AWAM and PWAM certification group. I have been the Vice Chair of BAMI-I

for many years. Tom's vision for BAMI-I has always been to promote education and assist utilities in their asset management programs. It is very rewarding to know that all we do in BAMI-I will enhance the quality of life for public. It is also very rewarding to network with like-minded individuals who seek to serve the public and ensure their utility systems will be resilient and sustainable. BAMI-I has been successful in carrying out the vision Tom set for BAMI-I.

JIM HARRIS

Civil Discipline Specialist, Jacobs Engineering Group Inc.



My entire career has been involved Asset Management, but we did not call it this at the time. We used terms such as Sewer System Evaluation Survey and Cost-Effective Priority Analysis.

In the early 2000s, Rod Thornhill introduced me to NASSCO PACP be-

coming both an analyst and trainer. While, I never was employed in a CCTV truck, I coded hundreds of thousands linear feet of legacy CCTV data and have conducted numerous PACP certification courses.

During this time, I became reacquainted with a colleague of mine — Jim Raulston. He had become involved in the early stages of BAMI-I. He introduced me to Dr. Tom Iseley. Shortly after, Dr. Iseley invited me to join the Board where I have served for more than a decade.

Dr. Iseley approached me about getting involved in their CTAM (Certification of Training in Asset Management) program. This is a 4-level course that introduces asset management principles (CTAM-100), describes what an asset management program is (CTAM-200), guides in the management of

asset management (CTAM-300), and considers how an asset management program may be funded (CTAM-400). I was assigned the task of chairing a committee to write CTAM-300 "Managing an Asset Management Program." I have had the privilege of teaching this live on several occasions.

Through my current work as an Asset Management-Asset Assessment Engineer at Jacobs Engineering Group Inc., I have had numerous opportunities to incorporate the asset management principles BAMI-I has emphasized. We still must determine what assets we have, where they are, what their condition is, what the asset is worth, what rehabilitation or maintenance it needs, the priority of this action, what it will cost, and how it will be paid? These are the same things I have been doing for 40 years, but now, with significantly more system.