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## President's Message

Welcome back to the 2019/2020 season of the HGCS - AACE

International. As with previous years, we are aiming to conduct several meetings that we hope will prove educational and informative for Project Controls. In these meetings we plan to cover Cost, Planning/Scheduling, Estimating, Risk Management, Project Management, Innovation and Leadership. This year's speaker line-up will provide a varied mix of subject matter experts that will touch on many key industry topics and concepts. Please review our line up and mark your calendars to ensure you can participate in this season's Technical Program. We will kick off this season's Technical Program with a panel discussion provided by the Construction Industry Institute (CII) and the Construction Users Roundtable (CURT) and continue with new and energizing topics that will allow our peers to continue to hone our skills as Project Controls Professionals.

Ernesto Munoz - *President*

## Board of Directors

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Martin Darley, CCP, FRICS, FAACE – *HGCS Advisor*

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## Meetings

The second Tuesday of each month (September to May) at the **HESS Club Building, 5430 Westheimer Road, Houston, Texas 77056.**

No meetings June to August.

Registration begins at 5:30 pm. Dinner is served at 6:15 pm. Speaker at 7:00 pm. Meeting adjourns at 8:00 pm.

Cost: \$35.00. Payable online via [www.aacei-hgcs.org](http://www.aacei-hgcs.org) or at the door by cash or check.



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September 10, 2019

## Panel Discussion

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### Project Controls in an OS 2.0 Environment

**Subj:** The Construction Industry Institute (CII) and the Construction Users roundtable (CURT) are evaluating different delivery methodologies designed for capital projects. These delivery methods are focused around business value vs capital cost efficiency. This initiative is entitled **Operating System 2.0. (OS 2.0)** which is a standalone initiative sponsored by a number of organizations including CII and CURT. Several of these methodologies address effective control of projects. Does the earned value system work? What are the best owner/contractor management techniques? This will be a highly interactive discussion addressing the possible future of project control, with senior management from CII and other visionary leaders participating.

#### Panelist Bio:

- ✓ **Martin Darley**, Chevron Opportunity Shaping Team Lead and AACE President 2014/2015
- ✓ **Tim Burroway**, Director, Project Controls, Worley Downstream
- ✓ **Michael Matthews**, VP Strategy & Consulting, Enstoa, and facilitator
- ✓ **Steve Cabano**, President Pathfinder, LLC, and Chair, CII Board of Advisors

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October 08, 2019

## Larry Ford

- Larry Ford, **Ford and Associates**

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### Applying Historical Performance Histories to Affect Early Project Planning

**Subj:** A? How can Utilizing the Rate of Design/Procure/Install for 10 Common Tangible Quantities that Define the Work along with 4 Common QC Test to reach Mechanical Completion Align the Engineering Procurement and Construction process. We will discuss Applying Historical Performance Histories to Affect Early Project



Planning, what Tangible Quantities define a project and how this leads to cold eyes review for monitoring status.

**Bio:** Larry Ford is Project Controls Consultant with experience in Petrochem, Power and Oil & Gas projects for several Global EPC firms and Owners. Prior Military service as an Intelligence Analyst.

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November 12, 2019

## Dr. Barbara S. Manouso, Ph.D., MPH.



- **CEO, Manouso Mediation & Arbitration, LLC.**

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### Synopsis for Conflict Resolution – Commercial

**Subj:** In the world of business and contracts, mediation is a tool that is often used to resolve disagreements that occur in commercial relationships, whether or not the conflict rises to the level of a legal dispute. There is a distinction between family and civil cases, although both might want to encourage future relationships. This presentation will discuss civil, commercial cases and how a skillful mediator will not destroy future business opportunities and will use transparency to not create an intractable, cost draining, time wasting, business distraction monster.

**Bio:** Dr. Manouso is a Texas Distinguished Credentialed Mediator, 2019 Adams Award (Texas top mediator) from the Texas Association of Mediators, and Fellow in the World Mediation Association. She brings over 25 years of international experience with conducting over a thousand civil mediations, with details of universal best practices used in conflict solution's alternative dispute resolution, established on evidence-based skills. Her baccalaureate is from Brown University; Master of Public Health and, the University of Texas School of Public Health; and Ph.D., from Nova Southeastern University. She attended South Texas College of Law in Houston.

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December 10, 2019

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### BioMetrics – Project Control usecase for multifactor data validation



**Subj:** How can biometrics and other data validation tools improve the validity of your data. How can transforming raw data into actionable irrefutable information to inform both real time decision making and establish iron clad chain of evidence for future potential claims defense? We will lead and engage a conversation on how this can prove advantageous to you and your organization.

- **Jerry Moore - Partner, SiteTraxx**

**Bio:** Jerry served as Director of IT for Devon Energy, Director of IT for ConocoPhillips and Vice President of IT for Alliance Resource Partners (Coal Mining) prior to joining SiteTraxx. His experience leading those IT departments covered global application development teams as well as leading ConocoPhillips R&D department as it explored drone use, sensor design, automation and big data opportunities.

- **Chris Wolbrink - Partner, SiteTraxx**

Chris is experienced in managing large commercial construction, construction financial control advisory, auditing and claims management. Prior to joining SiteTraxx, he has served as a general contractor, program manager, owners' representative and cost consultant.

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January 14, 2020

## Shohreh Ghorbani



- **Founder & Director, Project Control Academy**

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### Women in Project Controls Month How to Play a Bigger Game in Your Project Controls Career in 2020 and Beyond

**Subj:** Ever wondered how you could start 2020 strong and play a bigger game in Project Controls? Join us at the January HGCS meeting where our guest speaker, Shohreh Ghorbani will be highlighting Women in Project Controls. Shohreh will get personal and share her story of struggle and triumph. She will also share some of the major lessons she has learned in her Project Controls career.

Be prepared to be equipped with some practical tips and strategies on how you can cultivate a successful career and a more fulfilling life in 2020 and beyond.

Bio: Shohreh is the founder and director of Project Control Academy, a leading provider of comprehensive online training programs in Project Controls. She has served tens of thousands of professionals and several international corporations in building their technical Project Controls knowledge and shave off years of trial and error in learning the vital skills in controlling their projects. In April 2018, Shohreh was named the “Woman in Project Controls” honoree in the AACE International Source Magazine.

February 11, 2020

Mike Sanford



• *Director*, Virtual Design & Construction/Employee Owner, **SpawGlass**

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### Leveraging Virtual and Mixed Reality: A Process of Perpetual Refinement

**Subj:** Imagine stepping onto a construction jobsite looking at work in progress and not being able to determine if the work that’s being put in place is according to the project’s design. That’s exactly the experience many owners and design teams experience in the field. While virtual reality allows end users to experience the facility space during design, mixed reality provides a second look at the space while construction is in progress and before the work is complete. This provides the flexibility to make changes and avoids costly rework. So, what is mixed reality? Through the use of a HoloLens device or an iPad, you can combine the real world with the virtual world. With something like a mechanical/electrical/plumbing (MEP) system for instance, you can see the actual work already in place and the hologram of the equipment that is yet to be installed. This use of mixed reality empowers everyone on the project team, including the owner and architect, to ensure the work is being installed correctly and with optimal functionality and ease of maintenance in mind.

**Bio:** Mike Sanford is the Operational Technology and Innovations Director for SpawGlass Contractors. He will celebrate 19 years with Spawglass in April 2020. His passion for development and deployment of emerging technology has driven the implementation of state-of-the-art innovations at SpawGlass such as

robotics, virtual reality and drone technology that have decreased change and increased productivity and profitability resulting in a superior product for the end-user. His ability to recognize challenges and envision solutions combined with his extensive experience in field operations, lean construction, virtual and mixed reality design, and field leadership has given him the operational knowledge and technical expertise necessary to drive adaptive change.

March 10, 2020

Panel Discussion

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### Career Development: Highlighting the “Rising Professionals” in our Community

**Subj:** The HGCS January meeting will highlight the “Rising Professionals” in our community. These *Professionals* are those entering the workforce (early career) through mid-career level. Our experienced panelist will consist of HR, Consultant and Recruiter who strive daily to match the right candidate and opportunity to give the best experience to the candidate and employer. Through their experience and industry knowledge – they understand the pitfalls and triumphs of growing and transitioning to the next role. They will discuss what a young professional should be doing to cultivate a lasting career i.e. networking and finding a mentor, as a requirement or “nice to have.” This will be an interactive discussion. Bring your questions and thoughts and be ready for a great conversation.

April 14, 2020

Jan Christian Brataas



• *Department Manager*, IT Consultancy Services and Pims Cloud Platform, Omega Project Solutions

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### One-Stop-Shop for Project Governance

**Subj:** CaPDat is aiming to improve project governance and to communicate the overall high-level project health to the senior leadership in a one-stop-shop for project data. In addition, the centralized and automated reporting shall reduce the workload and improve reporting quality.



Project governance is not always transparent and easily available. There is often a huge effort needed to gather all data and prove quality assurance. With CaPDat there is one single source of trusted data and greater transparency.

**Bio:** Jan Christian Brataas is a department manager with 15 years of experience in Omega and project owner of CaPDat. He has also been responsible for developing and managing our hosting and infrastructure (SAAS) operations over the last 6 years.

May 12, 2020

Sami Jaroudi, CCP



• *Director*, Project Controls, **Worley**

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### Transforming Data Privacy and Supply Chain Processes with Smart Contracts for Enhanced Governance, Transparency, and Security

**Subj:** Examining industry proven innovation, flexibility and security of smart contracts with assemblage of governance and traceability

- Decentralizing blockchain with end to end encryption for optimal platform security
- Eliminating intermediaries and/or middle system processes for enhance productivity
- Digitizing contracts and schemes permit exciting new levels of innovation

**Bio:** Sami has over 20+ years of experience in Project Controls Management, Systems, Processes, and Applications with industrial capital projects for both government agencies and in the private sector. In his career, he has worked as a field engineer, cost engineer, scheduler, project engineer, project controls manager, and director of project controls for major EPC firms.

Projects include Power Generation, Waste to Energy Processing facilities, Mining & Minerals, Chemical Plants, FPSO, Drilling Platforms, NASA International Space Station, and the department of defense. Currently with **Worley** Project Controls supporting mining and minerals division.



2019-2020 Technical Program

www.aacei-hgcs.org