Table of Contents

CLAIMS AND DISPUTE RESOLUTION (CDR)

	CEANING AND DIGITORE NEEDS	2011011 (0511)
CDR-4214	Integrated Construction Project Subnetworks: Development, Monitoring, and Analysis	Eric Anthony, PSP
CDR-4217	Construction Equipment Disruption Modeling	Dr. Wael El Ghandour; Karim El Ghandour
CDR-4218	Applying Data Analysis and Simulation Integrated Disruption Modeling (IDM) using Artificial Intelligence and Discrete-Event Simulation	Dr. Wael El Ghandour; Belkacem Foura
CDR-4221	On the Intricacies of Evaluating Delay Damages	Natasha Dahl, CCP PSP; Avi Sharma; Dr. Tong Zhao, PE CCP CFCC PSP
CDR-4222	Apples and Oranges: The Need for Comparative Project Guidelines	Alessio Loreti, PE PSP; Cory R. Milburn, CCP CFCC PSP
CDR-4226	Forensic Evaluation of Subcontractor Components in CPM Schedules	Greg M. Hall, PSP; Abbas F. Saifi, CCP EVP PSP
CDR-4231	Adjusted Measured Mile Baseline Methodology for Quantifying Lost Productivity Damages in Construction Claims	Karim Nagui
CDR-4239	Tales from the Construction Crypt– Lessons Learned	James G. Zack, Jr. CFCC FAACE Hon. Life
CDR-4255	Seeing Double? How to Address Claimed/Duplicative Costs in Damages and Delay Analyses	Rachel Domingo, PSP; Michael R. Martin, Jr.
CDR-4259	Reconstructing Schedules for Forensic Analysis: Methods, Insights, and Case Study	Matthew G. Nichols, PSP; Avi Sharma
CDR-4260	Poor Practices Used in Contemporaneous Schedule Updates to Build Delay Claims	Hala Marvan, PSP; Khaled M. Aziza, EVP PSP
CDR-4274	Practical Considerations for Substantiating Disruption Claims	Kareem M. Khattab, PE PSP; Dr. Rania Fayed
CDR-4277	Pacing Delays - Application and Considerations	Kareem M. Khattab, PE PSP; Dr. Rania Fayed
CDR-4284	Shortcomings in the Dispute Resolution Procedure under AIA232-2019 Contract	Dr. Rania Fayed; Dr. Waleed M. El Nemr
CDR-4285	Claim Avoidance Emphasis in FIDIC Construction Contracts and Selection of ADR Neutrals	Luis Otavio Rosa
CDR-4287	Expert Terms of Reference in Arbitration: Guidelines and Applications	Beatriz Vidigal Xavier da Silveira Rosa; Luis Otavio Rosa
CDR-4293	Biting the Hand that Feeds You— The Impact of Litigation Against the Owner	Nickolas Florez, CFCC
CDR-4301	Daubert Challenge Paper Revisited: The Landscape Two Decades Later	Kenji P. Hoshino, CFCC PSP
CDR-4311	False Claims Act Regulations and Dispute Resolution in the Construction Industry	Cory Milburn, CCP CFCC PSP; Suleiman Al Rai, PE PSP; Gregory S. Martin; Codi K. Cox
CDR-4312	Identifying, Quantifying, and Proving Delay or Disruption Using Linear Schedules	Benjamin R. Winsor, PE; William C. Schwartzkopf, PE Emeritus
CDR-4337	How to Impact Activity Durations and Quantify Delay due to Design Changes	Nathan Swink, PSP; John Cleary, PSP
CDR-4359	Schedule Delay Analysis: The Intermediary Method	Ryan Clark, PE; David Kendall, PE
CDR-4398	Time Impact Analysis: Past, Present, and Future	Mark C. Sanders, PE CCP CFCC PSP
CDR-4410	Addressing Missing Schedule Logic when Performing a Contemporaneous Period Analysis	Roberto Leandro; Anthony Springer, PSP; Ishmael Smith, PSP
CDR-4414	Overcoming Noisy Data in Measured Mile Productivity Analysis	Timothy A. Hampson, PE CCP PSP; Justin K. Norman, CCP PSP; Dr. David W. Halligan, PE

COST AND SCHEDULE CONTROL (CSC)				
CSC-4375	Definition of a Float-Based KPI for Disruption Evaluation in Complex Project Schedules	Alberto Lopez Yus		
PROFESSIONAL DEVELOPMENT (DEV)				
DEV-4364	Cost Engineering Competency Matrix for Oil & Gas Business	Candra Nugraha, CCP; Ashwin Kumar Narayanan		
DEV-4409	Including the Estimator's Leadership Traits With the Basis of Capital Cost Estimate	Saumil H. Maniar, PE		
DATA SCIENCE AND ADVANCED ANALYTICS (DSAA)				
DSAA-4200	Data Analytics: Reimagining One's Total Cost Management Journey to Enhance Value	H. Lance Stephenson, CCP FAACE Hon. Life		
DSAA-4282	Leveraging Data Analytics in Construction Projects to Improve Schedule Predictability and Stakeholder Relationships	Jawahar Maran, PE CCP PSP; Ben Lamm, PSP		
DSAA-4300	Supercharging Asset Longevity with IoT Sensors and AI	Avi Schwartz; Eric Dembert; Shirley Albritton; Ephraim Schoenbrun; Tim Kelly; Jordan Thrailkill; Rob Coslett; Jaden Wood		
DSAA-4328	A Case Study on the Usage of Data Analytics and Machine Learning to Measure Schedule Health	Joseph Lozada; Kaylyn Mickelsen, PSP; Hamid Sayed; Stephanie Zerkel		
DSAA-4395	Industrial Goods Cost Estimating Using Machine Learning Techniques	Fernando Nahid Leitão; Leonardo Carmo de Holanda; Adriano Gonçalves da Silva		
DSAA-4406	Optimization Techniques and Metaheuristics in Project Scheduling: Using Real-World Applications to Estimate Sustainability Metrics	Dr. Achintyamugdha Sharma; Dr. Priyanka Deka; Goutam Jois, Esq.; Umesh K. Jois		
	ESTIMATING (ES	т)		
EST-4203	Independent Cost Estimate's Value on Construction Manager/General Contractor Transportation Projects	Dr. Douglas D. Gransberg, PE; Dr. Milagros Pinto-Nunez; Dr. Nils J. Gransberg		
EST-4232	A Technical Approach to Classify Decommissioning Cost Estimates	Alberto Carlos Caldeira Costa Coelho; Cócis Alexandre dos Santos Balbino; Leonardo Muller, CCP PRMP PSP		
EST-4304	Evolution of Cost Estimating from the 1950s to Today	Hetali D.N. Doshi; Douglas W. Leo, CCP CEP FAACE Hon. Life		
EST-4349	Estimating Productivity Adjustments	Ben Crawley; Luke McMullan, CEP; Catherine Cerruti		
EST-4352	Successful Implementation of Continuous Estimating for Target Costing in Collaborative Contracts	Behrad Kiafar, CEP; Daniel Drouin		
EST-4363	Cost Estimate Challenges for Floating Production, Storage, and Offloading (FPSO) Decommissioning	Candra Nugraha, CCP; Husaini Md Rasid		
EST-4402	Indirect Cost Estimating Based on Statistical Analysis	Dr. Chunhong Tian; Prashant K. Srivastava, PEng; Ryan McPhee; Wilson Ting, PEng; Amita Narayanan, CCP; Nathan Len, PEng		
EARNED VALUE MANAGEMENT (EVM)				
EVM-4197	The Value of Earned Value	Sylvia M. Donado; John Holincheck		
EVM-4215	Is Cost Performance Index Predictive of Project Performance?	Eric Vyskocil; Ashrita Srikanth		
EVM-4408	Basics of Earned Value Management – How & Why	Carole A. Venters, CCP EVP		
EVM-4420	Performance Baseline-Contract (PB-K) Based Independent Estimate-at-Completion (iEAC)	S. Brian Kong, PE CCP		

GLOBAL PROJECTS (INT)				
INT-4273	The Challenges of Business Development for Engineering Firms and Contractors	Lan Zhang; Yi Fang; Zhenyu Qiang		
	IT/IM in PROJECT AND COST M	ANAGEMENT (IT)		
IT-4291	Robotic Process Automation (RPA) for Cost Estimating	Sulaiman Alabdulkarim; Josue E. Garcia, CCP CEP; Rafael E. Lozada F.		
	OWNER ISSUES (O	WN)		
OWN-4202	Perceived Risk in Project Delivery Method Selection in the U.S. Federal Transportation Sector	Dr. Douglas D. Gransberg, PE; Daniel D'Angelo, PE		
OWN-4253	Applying Lessons Learned From Past Schedules	Andre K. W. Chong		
OWN-4268	Effectively Leveraging Schedule Reserve	Stephen L. Cabano, FAACE; Zachary Ledet		
OWN-4271	PM Responsibilities Comparison Model Between Owner and Contractor for a Theme Park Project	Lan Zhang; Kai Wang; Renjun Luo		
OWN-4308	Main Challenges and Strategies in Utility-Scale Solar Projects	Dennis Y. Bocuzzi and Vitor L. Ladeira		
OWN-4348	Reviewing and Validating Third-Party Cost Estimates	Jake Chalin; Jack Treval; Luke McMullan, CEP		
OWN-4386	Setting Up a Cost Engineering Department and a Benchmark of Its Estimating Practice - A Case Study	Muftau J. Akanbi, CCP		
OWN-4392	Equity and Environmental Justice in Early-Stage NNSA Project Planning	Zachary Matheson		
OWN-4425	Capital Assets Recognition and Derecognition Process in Oil and Gas Operating Companies	Chad Itagi, PEng CCP CEP PSP; Nanda Itagi, CCP		
	PROJECT MANAGEME	NT (DM)		
PM-4220	Collaborative Projects: The Ultimate Trust Fall	Shoshanna Fraizinger, CCP		
1111 1220	Exercise for Both Vendors and Owners	Shoshama Traizinger, Cer		
PM-4224	Lessons Learned–A Culture of Moving Forward	George S. Bekhit; David Jurgeneit		
PM-4251	Program and Project Management Insights Gained From an Analysis of Completed Projects	Dan Melamed, CCP EVP FAACE; Kevin Lee; Elizabeth B. Barnett; Bryan A. Skokan, PE; Rodney Lehman; Richard J. Schassburger		
PM-4265	Using TCM to Establish a Standard Project Management Methodology for Construction Projects	Rogério F. Cruz; Marcelino R. Braga; Ricardo P. Sanches		
PM-4283	Managing and Controlling Scope Creep in Construction Contracts: Case Study	Esraa Khaled Abdelraouf Mohammed		
PM-4332	WBS-Based Work Processes: The Missing Component in Stage Gate Processes	Richard P. Helper, PSP		
PM-4351	Keep Capital Projects on Track Through Agile Execution and Contracting Strategy	Virgilio T. Monton, II PEng CCP		
PM-4370	Enhancing Affordable Housing Construction Through Lean Practices, Takt Planning, and Offsite Modular Integration	Roger Nelson, PE PSP; Hassan A. Dia		
PLANNING AND SCHEDULING (PS)				
PS-4230	Schedule Narratives and Reports	Delbert E. Bearden, PSP		
PS-4233	How Recommended Practices for Project Scheduling are Becoming Obligations by Project Contracts	Saeid Khademagha, PEng PSP; Ali Yazdani, PEng		
PS-4236	Correcting Out-of-Sequence Logic	Ronald M. Winter, PSP FAACE		

PS-4241	The Top Ten Approaches to Avoiding Resource-	Glen R. Palmer, CFCC PSP FAACE;		
	Related Claims	Christopher W. Carson, CEP DRMP PSP FAACE		
PS-4267	Planning and Scheduling for Workplace Safety	Daniel P. Gilmour, PSP; Matthew Smith; Mark David Smith		
PS-4315	Schedule Development and Progress Measurement	Ricardo Albeny, CCP EVP		
	Requirements for Fixed-Price Construction			
PS-4342	Contracts A Statistical Approach to Dayalaning Empirical	Chroves Baghayondra		
P3-4342	A Statistical Approach to Developing Empirical System Durations for Wastewater Treatment Plant	Shreyas Raghavendra; Christopher W. Carson, CEP DRMP PSP FAACE		
	Schedules			
PS-4354	An Efficient Approach to Scheduling Repetitive	Christopher W. Carson, CEP DRMP PSP FAACE		
DC 42E0	Projects	Ali Montacor, DEna CCD EVD DCD.		
PS-4358	An Overview of Hydropower Projects in Canada Part 2 (Spillway)	Ali Montaser, PEng CCP EVP PSP; Ahmed Montaser, EVP		
PS-4377	Addressing Schedule Complexity and Optimizing	Shrutika Barwal, PSP; David Chigne, CCP CEP PSP		
	Scheduling Process for Infrastructure Projects	· · · · · · · · · · · · · · · · · · ·		
PS-4387	Mastering Risk Factors for Renewable Energy	Christopher J. Brasco; Matthew D. Baker;		
	Projects So You Don't Get Burnt, Blown Away, or Washed Out	James F. Timko; Dakus Gunn		
	washea out			
	DECISION AND RISK MANAG	GEMENT (RISK)		
RISK-4240	Case Study: Use of the Hybrid Parametric and	John K. Hollmann, PE CCP CEP DRMP FAACE Hon.		
	Expected Value QRA Method on the Keeyask	Life; Raminder S. Bali, PEng		
RISK-4247	Hydropower Megaproject Defining a Lognormal Distribution Using 3-Point	John K. Hollmann, PE CCP CEP DRMP FAACE Hon.		
NI3N-4247	Entry: The J-QPD Distribution	Life; J. Eric Bickel		
RISK-4307	Treading Cautiously: Risk Management in the	John Coker; Emily J. Byrd (Kelly)		
	Leapfrogging of Offshore Wind Turbine			
DICK 4220	Technologies	Dooshah Danahi, Katia Diskallah, Kula Mayuhinnay		
RISK-4330	Navigating Risk Management Challenges in Progressive Environments: Case of Progressive	Roozbeh Panahi; Katia Rizkallah; Kyle Mawhinney; Sara Martino		
	Design Build Contract Delivery Model	Safa Martino		
RISK-4356	Enhancing Decision-Making Process through	Dr. David T. Hulett, FAACE; Steve Uhl;		
	Probabilistic Schedule Analysis Across the Project	Keith D. Hornbacher; Abbas Shakourifar, PSP		
RISK-4367	Lifecycle Challenges Aggregating Multiple, Interdependent	Dr. David T. Hulett, FAACE; lan Bailey;		
M3K 4307	Projects into an Integrated Program-Schedule	Lorrie B. Tietze		
	Quantitative Risk Analysis			
RISK-4401	Assessing Proposed Risk Mitigation Actions Using	Waylon T. Whitehead; Dr. David T. Hulett, FAACE		
RISK-4435	Mitigation Scoring Practical Implementation of AI-Based Risk Analysis	Rhys Phillips; Dev Amratia; Carlos Ledzema;		
NI3N-4433	on Construction Megaprojects	Richard Bendall-Jones; Vahan Hovhannisyan;		
		Leonie Anna Mueck		
TOTAL COST MANAGEMENT (TCM)				
TCM-4314	Desalination Public-Private Partnership: Assessment	Mayar M. Khairy; Mohamed Abdel Raouf;		
	of Plants Operation Costs	A. Samer Ezeldin		