

Blockchain Technology in Engineering: Select speaking engagements and publications:

[The Innovation Bank: Blockchain Technology and the Decentralization of the Engineering Professions](#), Daniel R. Robles, PE, MBA, Bradley Layton, PhD, PE, Proceedings of the ASME International Mechanical Engineering Congress and Exposition, November 16-19, 2020, Portland, OR, USA

Call-for-Engineering Action in response to COVID-19 mitigation. Juried Invitation to present for the National Academy of Engineering. <https://youtu.be/BHCIP38AiRI>

New Perspectives on Accelerated Bridge Construction, Joan Zhong, PhD, PE, Co-Author, Daniel Robles, PE, International Bridge Construction Conference, Washington DC, June 2019. https://youtu.be/JzSMvkle_Fc

Keynote: *Why Engineers Must Pay Serious Attention to Blockchain Technology*. Daniel Robles, PE; Product Lifecycle Management Conference, Chicago November 2019. <https://youtu.be/nfiMR8frPRw>

How Blockchain Can Enhance Design-Build Process. Design-Build Society of America – Seattle, April 2019. <https://youtu.be/FYbx4Xpd6TY>, <https://youtu.be/EjK3IBdkKnc>

Introducing the Physical Sibling of the Digital Twin, Silicon Valley Blockchain Security Forum. June 23, 2018. <https://www.eventbrite.com/e/silicon-valley-blockchain-security-forum-tickets-47011827642>

Panelist: *Future-Tech National Conference Blockchain in the Built Environment* Engineering News Record (a McGraw Hill Publication), June 6, 2018, San Francisco <https://youtu.be/YfPmneK5uJA>

Keynote: *Why Engineers Should Take Blockchain Very Seriously*, **CAASE18** The International Conference on Advancing Analysis & Simulation in Engineering by NAFEMS.org <https://youtu.be/Yghex5QhOH0>

Award/Presentation: *The Revolutionary Blockchain: An Opportunity for Engineering Stewardship*, Daniel Robles, P.E., MBA, Integrated Engineering Blockchain Consortium, and Matthew Bowers, P.E. M.ASCE, SC Solutions Inc. American Society of Civil Engineers Grand Challenge Innovation Contest winner, Washington DC (2018) <https://youtu.be/LQzF6g3L6Oo>

Keynote: *Risk Management in Finance, Insurance and Engineering with Blockchain*, Joint MIT-Harvard Alumni Club, Washington DC, September, 2018.

Keynote: *Blockchain technology and the Emergent Tech Sector*: Indiana Society of Professional Engineers and Washington Society of Professional Engineers Annual Meeting. <https://youtu.be/i7MfTr64ag4>

Keynote: National Council of Professional Engineers National Conference Seattle, WA
Emerging Opportunities in The Engineering Profession July 2015
https://youtu.be/CMeQ_rNkGKU

Keynote: *Implications and Opportunities for Blockchain Technology in Insurance*, April 2016
National Association of Insurance Commissioners Center for Insurance Policy and Research;
2016 National Conference keynote speaker, New Orleans LA.

Keynote and presenter: *The New Value Movement*, Society for Worldwide Interbank Financial
Telecommunication (SWIFT) SIBOS InnotrIBE Sessions Toronto CA September 19-24,
2011 <https://youtu.be/e3G0A2gQnew>

Keynote: *Curiosumé – Converting the Resumé to Cryptography*, Seattle Blockchain Summit
2015. <https://youtu.be/HLKl4xJGPCw>

Juried presentation: *Innovation Economics: The International Society for the Advancement of
Management*, Washington DC, April 2008.

Presenter: *A Model for the International Mobility of Engineering Professionals* presented at the
Comparative and International Education Society (CIES) Western Regional Conference,
University of Southern California, Los Angeles 2003.

Presenter: *Restructuring the University in the NAFTA Era - A Model For The International
Mobility of Engineering Professionals*, CETYS University / San Diego State University, Daniel
Robles Alvarez Facultad de Ingeniería Centro de Enseñanza Técnica y Superior Mexicali, Baja
California, México April 1996

Presenter: *The Value Game*, Prediction Markets Summit, Seattle WA 2009.

Presenter: *The Next Economic Paradigm*, Innovation Immersion Conference, La Jolla, CA;
2009

**Seven-times Panelist/Moderator at Future of Money and Technology Summit, San
Francisco CA (2010-2017)**

Identity Verification for Blockchain Technology; Future of Money and Technology Summit, San
Francisco, Dec 2015 <https://youtu.be/vj-l90gOVG4>

Fueling the Decentralization Movement, Moderator The Future of Money and Technology
Summit 2014; San Francisco, CA, <https://youtu.be/HBXWLSAKFZ4>

The Integration of Community Currencies, Moderator; The Future of Money and Technology
Summit; San Francisco, CA 2013 (video available)

The New Value Movement, Panelist: The Future of Money and Technology Summit; San Francisco, CA 2012, https://youtu.be/cm3m_434IW4

Monetization of Intangible Capital Panelist: The Future of Money and Technology Summit; San Francisco, CA 2011, <https://youtu.be/nJaTKTKJZ2k>

Non-Quantifiable Exchanges Panelist; The Future of Money and Technology Summit; San Francisco, CA 2010, <https://youtu.be/HRqTkVQ2iWI>

BTEC; The Boeing Company Technical Fellowship Conference series.

Innovation Economics and the Innovation Bank, Boeing Technical Excellence Conference #9 (BTEC), St. Louis, 2005.

The Failure of the NAFTA Mutual Recognition Document for Engineering Professionals; and How that Affects Global Sourcing 10 Years Later, BTEC #11, Seattle 2006 (award, best of)

Innovation Economics; The Integration and Capitalization of Knowledge, BTEC #12, 2007, St. Louis and Boeing Knowledge Management Forum, Seattle 2007, Best of BTEC Seattle 2007;

Select Publication:

CoEngineers.io, The first Blockchain Designed for Engineers by Engineers.
https://coengineers.io/publications/CoEngineers_Whitepaper.pdf

The Innovation Bank, a Novel Business Method for the Integration and Capitalization of Knowledge: United States Patent and Trademark Office application: US20070226163A1

Arup Corporation Blockchain Technology Report IEBC Consulted and featured pgs 62-63

A Dual Use Case for Blockchain: Infrastructure; Delivery Method and Stable Store of Value CH2M Technical Memorandum, September 25, 2017; Thomas Wendling P.E./CH2M, Daniel Robles P.E./IEBC,

Reserving for Infrastructure Service Contracts *The Variance Journal*, Thomas E. Wendling, PE, Jacobs Engineering Group

BIM+Blockchain: A Solution to the Trust Problem in Collaboration? CITA BIM Conference 2017, November 2017: Malachy Mathews DIT., Dan Robles IEBC., Professor Brian Bowe. DIT (School of Architecture, Dublin Institute of Technology, Dublin, Ireland)

The Revolutionary Blockchain – An Opportunity for Engineering Stewardship *American Society of Civil Engineers Grand Challenge Contest Winner; Best Value – IoT*, June 2017, Daniel R. Robles, P.E. and Matthew E. Bowers, P.E. ASCE Presentation Video

Blockchain Technology: Implications and Opportunities For Professional Engineers

National Society of Professional Engineers; 2015-2016 FinTech Task Force; July 2016 Daniel R. Robles, P.E., Chairman Keith Beatty, P.E. William Begg, P.E. John Conway, P.E. David D'Amico, P.E., F.NSPE Mark Davy, P.E., F.NSPE, Rick Enszt, P.E. John Evangelisti, P.E. Bart Hogan, P.E. Bradley Layton, Ph.D., P.E. Tom Maheady, P.E., F.NSPE Robert Uddin, P.E. Chad Williams, P.E.

Insurance: The Highest and Best Use Case For Blockchain Technology *National Association of Insurance Commissioners / Center for Insurance Policy and Research, June 2016 Daniel R. Robles, PE*

Curiosumé – Converting the Resumé to Cryptography *Seattle Blockchain Conference June 2015; Daniel R. Robles, The Ingenesist Project*

A Model For The International Mobility of Engineering Professionals *Restructuring the University in the NAFTA Era; April 1996 CETYS University / San Diego State University, Daniel Robles Alvarez Facultad de Ingeniería Centro de Enseñanza Técnica y Superior Mexicali, Baja California, México Research Team: Ing. Juan Andrade Cetto, M.C. Ing. Amalia Garcia Ing. Donald Rodríguez Ing. Bernardo Valadéz, M.C. Facultad de Ingeniería CETYS Universidad, Mexicali y Tijuana Baja California, México*

Media/Blogger/Vlogger:

The Ingenesist Project: <https://www.ingenesist.com/sitemap/>

Insurance Thought Leadership: <http://insurancethoughtleadership.com/?s=dan+robles>

CoEngineers.com: <https://www.coengineers.com/blog/>

Integrated Engineering Blockchain Consortium: <https://iebc.co/blog/>

Medium: <https://medium.com/me/stories/drafts>

YouTube: <https://www.youtube.com/user/ingenesist>

https://www.youtube.com/channel/UCUWZ3frpQsJ9sbJIwDNrKwA/videos?disable_polymer=true