

Michael D. Lepech
Academic Curriculum Vitae (Abbreviated)

Office Address

241 Yang & Yamazaki Energy & Environment Building
473 Via Ortega
Stanford, California 94305-4020
+1 650.724.9459
mlepech@stanford.edu

Educational Training

- 2000 B.S.E in Civil and Environmental Engineering, University of Michigan, Ann Arbor, *Summa Cum Laude*
- 2002 M.S.E., Civil and Environmental Engineering (Structural Engineering), University of Michigan, Ann Arbor
- 2006 Ph.D., Civil and Environmental Engineering, University of Michigan, Ann Arbor
- 2009 M.B.A., Stephen M. Ross School of Business, University of Michigan, Ann Arbor

Professional Experience

- 2001 Pankow Builders, L.L.P, Oakland, California, Project Engineer, 77 Dow Place, San Francisco, California
- 2006 Post-doctoral Fellow, Center for Sustainable Systems, School of Natural Resources and Environment, University of Michigan, Ann Arbor
- 2008 Assistant Professor, Department of Civil and Environmental Engineering, Stanford University
- 2009 Visiting Professor, Department of Civil Engineering, Technical University of Denmark
- 2011-12 Visiting Professor, Division of Space Biosciences, NASA Ames Research Center
- 2015 Associate Professor, Department of Civil and Environmental Engineering, Stanford University
- 2015 Senior Fellow, Woods Institute for the Environment, Stanford University
- 2017 Director, Stanford Center for Sustainable Development and Global Competitiveness
- 2020 Director, Stanford Center at the Incheon Global Campus (South Korea)

Honors

- 2016 Thomas V. Jones Faculty Scholar, School of Engineering, Stanford University
- 2015 NSF CAREER Award "CAREER: Multi-Physics Modeling for Probabilistic Design and Engineering of Sustainable Infrastructure" NSF Structural and Architectural Engineering (SAE) Program
- 2014 2014 Tau Beta Pi Award for Excellence in Undergraduate Teaching. School of Engineering, Stanford University.
- 2012 Ali, S., Lepech, M. (2012) "Probabilistic Development and Application of a Life Cycle Inventory (LCI) Dataset for Pultruded Fiber Reinforced Polymer (FRP) Composites" Best Technical Paper Award. Composites 2012 American Composites Manufacturers Association. Las Vegas, NV.
- 2011 2011 Outstanding Young Engineering Graduate Award. College of Engineering, University of Michigan, Ann Arbor.

- 2010 FIATECH 2010 Celebration of Technology and Innovation Award
The FIATECH (Fully Integrated and Automated Technology) Association is a national academic and industry association focused on the use of information technology in the construction industry.
- 2006 Keoleian, G., A. Kendall, M. Lepech, and V.C. Li (2006) “Guiding the design and application of new materials for enhancing sustainability performance: Framework and infrastructure application”, Best Paper Award. Materials Research Society Symposium Proceedings Vol. 895, 0895-G06-01.1-01.13.

Peer-Reviewed Journal Publications

- Zirps, M., Lepech, M., Savage, S., Michel, A., Stang, H., & Geiker, M. (2020). Probabilistic design of sustainable reinforced concrete infrastructure repairs using sipmath. *Frontiers in Built Environment*, 6, 72.
- Rosa, I., Roedel, H., Allende, M. I., Lepech, M. D., & Loftus, D. J. (2020). On Designing Biopolymer-Bound Soil Composites (BSC) for Peak Compressive Strength. *Journal of Renewable Materials*, 8(8), 845.
- Best, R., Rezazadeh Kalehbasti, P., Basbagill, J. Lepech, M. (2020) A Novel Approach to Life Cycle Cost Optimization of District Heating and Cooling Network. *Energy*, 116837.
- Allende, M. I., Miller, J. E., Davis, B. A., Christiansen, E. L., Lepech, M. D., & Loftus, D. J. (2020). Prediction of micrometeoroid damage to lunar construction materials using numerical modeling of hypervelocity impact events. *International Journal of Impact Engineering*, 138, 103499.
- Allende, M. I., Davis, B. A., Miller, J. E., Christiansen, E. L., Lepech, M. D., & Loftus, D. J. (2020). Hypervelocity Impact Performance of Biopolymer-Bound Soil Composites for Space Construction. *Journal of Aerospace Engineering*, 33(2), 04020001.
- Wu, J., Shen, B. Lepech, M (2019) “Incorporating Multi-physics Deterioration Analysis in Building Information Modeling for Life-cycle Management of Durability Performance” *Automation in Construction*, 110, 103004.
- Roedel, H., Rosa, I., Allende, M. , Lepech, M., Loftus, D., Garboczi, E.J. (2019) “Prediction of Ultimate Compressive Strength for Biopolymer-bound Soil Composites (BSC) Using Sliding Wingtip Crack Analysis” *Engineering Fracture Mechanics*, 218, 106570.
- Geiker, M., Michel, A., Stang, H., Lepech, M. (2019) Limit States for Sustainable Reinforced Concrete Structures. *Cement and Concrete Research*. 122, 189-195.
- Frank, T. E., Lepech, M. D., Billington, S. L. (2018). Experimental Testing of Reinforced ECC Beams Subjected to Various Cyclic Deformation Histories. *Journal of Structural Engineering*, 144(6), 04018052
- Frank, T. E., Lepech, M. D., Billington, S. L. (2018). Finite element models of reinforced ECC beams subjected to various cyclic deformation. *Computers and Concrete*. 22(3) 305-317
- Lepech, M. (2018) The Future Design of Sustainable Infrastructure. *National Academy of Engineering The Bridge* 48(2): 6-12
- Moncarz, P., Lepech, M. (2018) A Vision for the Future of America’s Infrastructure. *National Academy of Engineering The Bridge* 48(2): 3-5
- Basbagill, J. P., Flager, F., Lepech, M. (2017). Measuring the impact of dynamic life cycle performance feedback on conceptual building design. *Journal of cleaner production*, 164, 726-735.

- Geiker, M.G., Michel, M., Lepech, M., Wu, J., Stang, H. (2017) "Multi-scale and multi-physics deterioration modeling for design and assessment of reinforced concrete structures" RILEM Technical Letters 2, 119-128.
- Frank, T.E., Lepech, M.D., Billington, S.L. (2017) "Experimental testing of reinforced concrete and reinforced ECC flexural members subjected to various cyclic deformation histories," Materials and Structures 50(5), 232.
- Bandelt, M.J., Frank, T.E., Lepech, M.D., Billington, S.L. (2017). "Bond Behavior and Interface Modeling of Reinforced High-Performance Fiber-Reinforced Cementitious Composites." Cement and Concrete Composites, 83:188-201.
- Shen, B., Lepech, M. (2017) Probabilistic Design and Optimization of Environmentally Sustainable Maintenance of a Reinforced Concrete Infrastructure. ASCE Journal of Infrastructure Systems. 23(3), 04016038.
- Rao, A., Lepech, M., Kiremidjian, A., Sun, X.-Y. (2016) "Simplified structural deterioration model for reinforced concrete bridge piers under cyclic loading" *Structure and Infrastructure Engineering: Maintenance, Management, Life-Cycle Design and Performance* DOI:10.1080/15732479.2016.1198402
- Rao, A., Lepech, M., Kiremidjian, A. (2016) "Development of time-dependent fragility functions for deteriorating reinforced concrete bridge piers" *Structure and Infrastructure Engineering: Maintenance, Management, Life-Cycle Design and Performance* DOI:10.1080/15732479.2016.1198401
- Miller, S. A., Billington, S. L., & Lepech, M. D. (2015). Influence of carbon feedstock on potentially net beneficial environmental impacts of bio-based composites. *Journal of Cleaner Production*. doi:10.1016/j.jclepro.2015.11.047
- Miller, S. A., Srubar, W. V., Billington, S. L., & Lepech, M. D. (2015). Integrating durability-based service-life predictions with environmental impact assessments of natural fiber–reinforced composite materials. *Resources, Conservation and Recycling*, 99, 72-83.
- Michel, A., Stang, H., Lepech, M., Geiker, M. (2015) "Multi-physics and multi-scale deterioration modelling of reinforced concrete" *Key Engineering Materials*. Vol. 665:13-16.
- Roedel, H., Rosa Plata, I., Lepech, M., Loftus, D. (2015) "Sustainability Assessment of Protein-Soil Composite Materials for Limited Resource Environments" *Journal of Renewable Materials*. 3(3), 183-194.
- Best, R., Flager, F., Lepech, M. (2015) "Modeling and Optimization of Building Mix and Energy Supply Technology for Urban Districts" *Applied Energy*. 159, 161-177.
- Bakshi, B., Ziv, G., Lepech, M. (2015) "Techno-Ecological Synergy: A Framework for Sustainable Engineering" *Environmental science & technology*, 49(3), 1752-1760.
- Russell-Smith, S., Lepech, M. (2015) "Cradle-to-Gate Sustainable Target Value Design: Integrating Life Cycle Assessment and Construction Management for Buildings" *Journal of Cleaner Production*, 100, 107-115.
- Russell-Smith, S. V., Lepech, M. D., Fruchter, R., & Littman, A. (2015). Impact of progressive sustainable target value assessment on building design decisions. *Building and Environment*, 85, 52-60.
- Miller, S. A., Lepech, M. D., & Billington, S. L. (2015). Static versus Time-Dependent Material Selection Charts and Application in Wood Flour Composites. *Journal of Biobased Materials and Bioenergy*, 9(2), 273-283.

- Srubar, W., Miller, S., Billington, S., Lepech, M. (2014) “Incorporating spatiotemporal effects and moisture diffusivity into a multi-criteria materials selection methodology for wood-polymer composites” *Construction and Building Materials*, 71, 589-601.
- Basbagill J, Flager F, Lepech M. (2014) “A multi-objective feedback approach for evaluating sequential conceptual building design decisions” *Automation in Construction*. 45:136-150
- Comello, S.D., Maltais-Landry, G., Schwegler, B., Lepech, M. (2014) “Firm-Level Ecosystem Service Valuation using Mechanistic Biogeochemical Modeling and Functional Substitutability” *Ecological Economics*. 100:63-73
- Arbuckle, P., Lepech, M., Keoleian, G. (2014) “Identifying Institutional Barriers in Sustainable Concrete Construction: Applying Social Network Analysis to Standards and Codes” *Advances in Civil Engineering Materials*. 3(1):338-354
- Russell-Smith, S., Lepech, M., Fruchter, R., Meyer, Y. (2014). Sustainable Target Value Design: Integrating Life Cycle Assessment and Target Value Design to Improve Building Energy and Environmental Performance. *Journal of Cleaner Production*. DOI: 10.1016/j.jclepro.2014.03.025
- Lepech, M., Stang, H., Geiker, M. (2013) “Probabilistic Design and Management of Environmentally Sustainable Repair and Rehabilitation of Reinforced Concrete Structures” *Cement and Concrete Composites*. 47:19-31
- Miller, S. A., Billington, S. L., Lepech, M. D. (2013). Improvement in environmental performance of poly (β -hydroxybutyrate)-co-(β -hydroxyvalerate) composites through process modifications. *Journal of Cleaner Production*. 40:190-198.
- Basbagill J, Flager F, Lepech M, Fischer M., (2013) “Application of life cycle assessment to early stage building design for reduced embodied environmental impacts.” *Building and Environment* 60:81-92.
- Miller, S.A., Lepech, M.D., Billington, S.L., (2013) “Evaluation of Functional Units Including Time-dependent Properties for Environmental Impact Modeling of Biobased Composites” *Journal of Biobased Materials and Bioenergy*. 7(5):588-599.
- Gencturk, B., Elnashai, A., Lepech, M., Billington, S. (2013) “Behavior of Concrete and ECC Structures under Simulated Earthquake Motion” *Journal of Structural Engineering* 139(3):389–399
- Zhang, H., Keoleian, G., Lepech, M. (2013) “Network-level Pavement Asset Management System Integrated with Life Cycle Analysis and Life Cycle Optimization” *Journal of Infrastructure Systems*. 19(1):99-107
- Comello, S., Lepech, M., Schwegler, B. (2012) “Project Level Assessment of Environmental Impact: An Ecosystem Services Approach to Sustainable Management and Development” *ASCE Journal of Management Engineering* 27(1): 5-12
- Faludi, J., Lepech, M. (2012) “Ecological Payback Time of an Energy-Efficient Modular Building” *Journal of Green Building* 7(1):100-119
- Faludi, J., Lepech, M., Loisos, G. (2012) “Using Life Cycle Assessment Methods to Guide Architectural Decision-Making for Sustainable Prefabricated Modular Buildings” *Journal of Green Building* 7(3):151-170
- Rostkowski, K. H., Criddle, C. S., Lepech, M.D. (2012) “Cradle-to-gate life cycle assessment for a cradle-to-cradle cycle: biogas-to-bioplastic (and back)” *Environmental Science and Technology* 46(18):9822-9

- Basbagill, J., Lepech, M., Ali, S. (2011) "Human Health Impact as a Boundary Selection Criterion in the Life Cycle Assessment of Pultruded Fiber Reinforced Polymer Composite Materials" *Journal of Industrial Ecology* 16(2):266-275
- Zhang, H., Lepech, M., Keoleian, G., Qian, S., Li, V. (2010) "Dynamic Life Cycle Modeling of Pavement Overlay Systems: Capturing the Impacts of Users, Construction, and Roadway Deterioration." *ASCE Journal of Infrastructure Systems*, 16(4): 299-309.
- Lepech, M., V.C. Li (2010) "Sustainable Pavement Overlays Using Engineered Cementitious Composites" *International Journal of Pavement Research Technology* 3(5):241-250
- Zhang, H., Keoleian, G., Lepech, M., Kendall, A. (2010) "Life Cycle Optimization of Pavement Overlay Systems." *ASCE Journal of Infrastructure Systems*, 16(4): 310-322.
- Yang, Y., Lepech, M., Yang, E.H., Li, V.C. (2009) "Autogenous Healing of Engineered Cementitious Composites Under Wet-Dry Cycles" *Cement and Concrete Research* Vol. 39 pp. 382-390
- Qian, S., Lepech, M. Kim, Y.Y., Li, V.C. (2009) "Transition Zone Analysis and Design for Bridge Deck Link Slabs Using Ductile Concrete" *ACI Structural Journal* Vol. 106. No. 1 pp. 95-105
- Lepech, M., V.C. Li (2009) "Application of ECC for Bridge Deck Link Slabs" *Materials and Structures* 42(9):1185-1195 DOI: 10.1617/s11527-00909544-5
- Lepech, M., V.C. Li (2009) "Water Permeability of Engineered Cementitious Composites" *Cement and Concrete Composites* Vol. 39 pp. 744-753
- Kendall, A., Lepech, M. D., and Keoleian, G. A., (2008) "Material Design for Sustainability through Life Cycle Modeling of Engineered Cementitious Composites" *Materials and Structures* 41(6):1117-1131
- Lepech, M.D., V.C. Li, R.E. Robertson, and G.A. Keoleian (2008) "Design of Green Engineered Cementitious Composites for Improved Sustainability" *ACI Materials Journal* 105(6):567-575
- Lepech, M.D. and V.C. Li (2008) "Large Scale Processing of Engineered Cementitious Composites" *ACI Materials Journal* 105(4) 358-366
- Lepech, M. D. and Li, V. C. (2006) "Long Term Durability Performance of Engineered Cementitious Composites", *Journal of Restoration of Buildings and Monuments*, Vol. 12, No. 2, pp.119-132.
- Keoleian, G. A., Kendall, A., Dettling, J. E., Smith, V. M., Chandler, R. F., Lepech, M. D., and Li, V. C. (2006) "Life Cycle Modeling of Concrete Bridge Design: Comparison of ECC Link Slabs and Conventional Steel Expansion Joints," *Journal of Infrastructure Systems*, ASCE, pp. 51-60 (March 2005).

Peer-Reviewed Conference Proceedings (Last 5 years)

- Li, Z., Lepech, M. (2020) Environmental Deterioration Accelerated Damage Modelling of Glass Fiber Reinforced Polymer Composites. *International Mechanical Engineering Congress & Exposition 2020 Conference Proceedings*. November 16-19, 2020.
- Li, Z., Lepech, M. (2020) Environmental Assisted Deterioration Modeling of Large Glass Fiber Reinforced Polymer Composite Structures/Systems. *TMS 2020 Conference Proceedings*. February 23-27, 2020, San Diego, California, USA
- Zirps, M., M. Lepech, S. Savage (2019) "Probabilistic Design of Sustainable Reinforced Concrete Infrastructure Repairs Using SIPmath," *Winter Simulation Conference*, December 2019, Baltimore, Maryland, USA.

- Li, Z., Lepech, M. (2019) “Deterioration Modeling of Large Glass Fiber Reinforced Polymer Composite Structures/ Systems.” In Proceedings of the American Society for Composites: Thirty-Fourth Technical Conference. 2019.
- Allende, M., Miller, J., Davis, A., Christiansen, E., Lepech, M., Loftus, D. (2019) Prediction of Micrometeoroid Damage to Lunar Construction Materials using Numerical Modeling of Hypervelocity Impact Events. Proceedings of the 2019 Hypervelocity Impact Symposium (HVIS2019), April 14-19, 2019, Destin, FL, USA.
- Rosa, I., Lepech, M., Loftus, D. (2018) Multiscale Modeling and Testing of Protein-bound Regolith and Soils. 16th Biennial ASCE International Conference on Engineering, Science, Construction and Operations in Challenging Environments. Cleveland, OH. April 9-12, 2018
- Allende, M., Lepech, M., Loftus, D. (2018) Scaling Impact Crater Dimension to Predict Micrometeorite Damage of Biopolymer-Stabilized Regolith. 16th Biennial ASCE International Conference on Engineering, Science, Construction and Operations in Challenging Environments. Cleveland, OH. April 9-12, 2018
- Michel, A., Geiker, M., Lepech, M., Stang, H. (2017) Coupled hygrothermal, electrochemical, and mechanical modelling for deterioration prediction in reinforced cementitious materials. 7th International Conference on Computational Methods for Coupled Problems in Science and Engineering. Rhodes, Greece. June 12-14, 2017.
- Geiker, M., Michel, A., Lepech, M., Stang, H. (2017) Engineering and Sustainability Limit States for Reinforced Concrete Structures. Service Life Prediction of Concrete In Association with Cement and Concrete Research. Third Corvallis Workshop. Corvallis, Oregon. July 16-19, 2017.
- Michel, A., Geiker, M., Lepech, M., Stang, H. (2017) Coupled electrochemical, and mechanical modelling for cracking prediction in reinforced concrete. 14th International Conference on Fracture. Rhodes, Greece. June 18-23, 2017.
- Rosa, I., Ueda, T., Lepech, M. (2017) Rigid Body Spring Model for Fracture Modeling of Protein Bound Soils. Submitted to the 2017 International Conference of the Engineering Mechanics Institute. San Deigo, California. June 4-7, 2017.
- Allende, M. Lepech, M., Loftus, J. (2017) Scaling Impact Cratering to Predict Micrometeorite Damage of Biopolymer-Stabilized Regolith. Proceedings of the 16th Biennial ASCE International Conference on Engineering, Science, Construction and Operations in Challenging Environments. Cleveland, Ohio, USA. April 9-12, 2018.
- Allende, M. Lepech, M., Loftus, J. (2017) Developing a Performance-Based Framework to Design ISRU Habitat Systems for Micrometeorite Impact. 68th International Astronautical Congress (IAC), Adelaide, Australia, 25-29 September 2017.
- Sundholm, V., Lepech, M., Wikstrom, K. (2016) Dynamic governance of large industrial and infrastructure investments – quantifying the benefits. Proceedings of the 2016 Engineering Project Organization Conference. Seattle, Washington. June 28-30, 2016.
- Wu, J., Shen, B., Lepech, M. (2016) Assessing and managing the sustainability of reinforced ECC panels by integrating optimization with multi-physics corrosion modeling. Proceedings of 9th RILEM International Symposium on Fibre Reinforced Concrete, Vancouver, Canada. 20 - 23 October 2016.
- Rosa, I., Roedel, H., Lepech, M., Loftus, D.J., Garboczi, E.J. (2016) Three-Phase Statistically Unit Cell for Protein-Bound Soils. 17th Biennial ASCE International Conference on

- Engineering, ^[1]Science, Construction and Operations in Challenging Environments. Orlando, Florida. April 11-15, 2016.
- Lepech, M., Geiker, M., Michel, A. (2016) Multi-physics corrosion modeling for sustainability assessment of steel reinforced high performance fiber reinforced cementitious composites. Proceedings of 9th FraMCoS Conference. V. Saouma, J. Bolander, E. Landis (Eds.) Berkeley, California. May 29 - June 1, 2016.
- Michel, A., Lepech, M., Stang, H., Geiker, M.R. (2016) Multi-physical and multi-scale deterioration modeling of reinforced concrete: modelling corrosion-induced concrete damage. Proceedings of 9th FraMCoS Conference. V. Saouma, J. Bolander, E. Landis (Eds.) Berkeley, California. May 29 - June 1, 2016.
- Frank, T.E., M.D Lepech, and S.L. Billington. (2016) A Comparison of Reinforced Concrete and Reinforced HPFRCC Beam Response to Different Cyclic Deformation Histories. Proceedings of 9th FraMCoS Conference. V. Saouma, J. Bolander, E. Landis (Eds.) Berkeley, California. May 29 - June 1, 2016.
- Frank, T.E., M.D. Lepech, and S.L. Billington. (2015) Effect of Deformation History on Steel-Reinforced HPFRCC Flexural Member Behavior. Proceedings of the 7th HPFRCC Workshop. Stuttgart, Germany. June 1-3, 2015.
- Michel, A., Geiker, M., Stang, H., Lepech, M. (2015). “Multi-physics and Multi-scale Deterioration Modelling of Reinforced Concrete Part I: Coupling Transport and Corrosion at the Material Scale” Proceedings of the 2015 fib Symposium. Copenhagen, Demark. May 18-20, 2015.
- Lepech, M., Rao, A., Kiremidjian, A., Michel, A., Stang, H., Geiker, M. (2015). “Multi-physics and Multi-scale Deterioration Modelling of Reinforced Concrete Part II: Coupling Corrosion and Damage at the Structural Scale” Proceedings of the 2015 fib Symposium. Copenhagen, Demark. May 18-20, 2015.
- Sundholm, V., Lepech, M. D., & Wikström, K. (2015). The dynamic nature of governance structures for large investments-measurement and modeling, organizational fit, and lifecycle value. Proceedings of the 2015 Engineering Project Organization Conference. Edinburgh, Scotland. June 24-26, 2015.
- Rosa, I., H. Roedel, M. D. Lepech, and D. J. Loftus. (2015) Creation of Statistically Equivalent Periodic Unit Cells for Protein-Bound Soils. Proceedings of the ASME 2015 International Mechanical Engineering Congress and Exposition. Houston, Texas. November 13-19, 2015.
- Lepech, M. (2015). The Role of Limit State Selection in the Design and Management of Sustainable Reinforced Concrete Infrastructure. Proceedings of the 2015 fib Symposium. Copenhagen, Demark. May 18-20, 2015
- Michel, A., Stang, H., Lepech, M., & Geiker, M. R. (2015). Multi-Physics and Multi-Scale Deterioration Modelling of Reinforced Concrete. Proceedings of the 14th International Conference on Fracture and Damage Mechanics. Budva, Montenegro. September 21-23, 2015.

Major Invited Presentations (Last 5 years)

- Lepech, M. (2018) “How to Pay for It: The Cyber-Physical-Financial Nexus of Sustainable Smart Cities.” Plenary Address. Inaugural Symposium of GREAT Smart Cities. May 18-19, 2018. Hong Kong, SAR, China
- Lepech, M. (2017). Where city intelligence leads: a

strategy for global smart city development. *Keynote Lecture of World Smart City Week*. Seoul, Korea. September 6-8, 2017.

Lepech, M. (2015). The Role of Limit State Selection in the Design and Management of Sustainable Reinforced Concrete Infrastructure. *Keynote Lecture of the 2015 fib Symposium*. Copenhagen, Denmark. May 18-20, 2015.

Lepech, M. (2015) Green Product Development. *Institute for Information & Communications Technology Promotion, Ministry of Science, ICT and Future Planning, Republic of Korea*. Seoul, Korea. August 24, 2015.

Lepech, M.D. (2013) " Sustainable Concrete Infrastructure through Virtual Management Systems." Plenary Session at *2013 International Concrete Sustainability Conference*, San Francisco, CA. May 6-8, 2013.

Lepech, M.D. (2013) "Market-based Ecosystem Service Valuation for Project Assessment and Development: A Disney Case Study" Plenary Session at *2013 Engineering Project Management and Organization Conference*. Winter Park, CO. July 9-11, 2013.

Lepech, M.D. (2013) "Sustainable Development in China: The Green Lotus" Plenary Session at *Institute for New Economic Thinking (INET) Symposium on "The Good Life: The Challenge of Progress in China Today"* September 9, 2013. Shenzhen, China.

Stanford University Courses

Stanford University CEE 126A/B/C - Stanford Sustainable Living Laboratory

Stanford University CEE 182 – Introduction to Reinforced Concrete Design

Stanford University CEE 226 – Life Cycle Assessment of Complex Systems

Stanford University CEE 305 – Damage and Failure Mechanics

Stanford University CEE 379 – Introduction to PhD Studies in Civil and Environmental Engineering

Stanford University ENGN 60/CEE 146S – Engineering Economics and Sustainability

Stanford Center for Professional Development Programs

Venture Capital Unlocked, Academic Director

Polish Electro-Energy Sector Executive Strategy Stanford Workshop, Academic Director

European Leasing Fund Silicon Valley Company Executive Workshop, Academic Director

Standard Bank Africa Fund Managers Program, Academic Director

Stanford-Poland TOP 500 Innovators Program 40.9, Academic Director

500 Startups Silicon Valley Investment Program, Academic Director

Stanford-Nanyang Technical University Innovation Program, Academic Director

Stanford-Lille Innovation & Entrepreneurship Program, Academic Director

Stanford-Brazil Entrepreneurship Program, Academic Director