

# HONGBO CONG

## EDUCATION

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PH.D. IN MATERIALS SCIENCE AND ENGINEERING, UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA, USA (2009)  
M.S. IN MATERIALS SCIENCE & ENGINEERING, UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA, USA (2004)  
B.E. IN MATERIALS SCIENCE & ENGINEERING, TSINGHUA UNIVERSITY, BEIJING, CHINA (2001)

## WORK EXPERIENCE

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UNIVERSITY OF AKRON, AKRON, OH, USA (SINCE 2013)  
DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

DET NORSKE VERITAS (U.S.A.), INC. DUBLIN, OH, USA (2009-2013)  
MATERIALS AND CORROSION TECHNOLOGY CENTER

## REFEREED JOURNAL ARTICLES

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- X. Li, **H. Cong**, F. Gui, C. S. Brossia and G. S. Frankel, "Development of Liquid-Air-Interface Corrosion of Steel in Nitrate Solutions," *Corrosion (Houston)*, Vol. 70, No. 3, 230-246, 2014.
- X. Li, F. Gui, **H. Cong**, C. S. Brossia and G. S. Frankel, "Evaluation of Nitrate and Nitrite Reduction Kinetics Related to Liquid-Air-Interface Corrosion," *Electrochimica Acta*, 117, 299-309, 2014.
- X. Li, F. Gui, **H. Cong**, C. S. Brossia and G. S. Frankel, "Examination of Mechanisms for Liquid-Air-Interface Corrosion of Steel in High Level Radioactive Waste Simulants," *Journal of The Electrochemical Society*, Vol. 160, No. 11, C521-C530, 2013.
- **H. Cong** and J. R. Scully, "Effects of Aluminum Solids on the Under Deposit Corrosion of Copper in Synthetic Potable Water: the Arguments for and Against a Semi-permeable Membrane," *Journal of The Electrochemical Society*, Vol. 160, No. 9, C403-C413, 2013
- H. Ha, C. Taxén, **H. Cong** and J.R. Scully, "Effect of Applied Potentials on Pit Propagation in Copper as Function of Water Chemistry," *Journal of The Electrochemical Society*, Vol. 159, No. 2, C59-C73, 2012
- **H. Cong** and J. R. Scully, "Effect of Chlorine Concentration on Natural Pitting of Copper as a Function of Water Chemistry," *Journal of The Electrochemical Society*, Vol. 157, No. 5, C200-C211, 2010
- **H. Cong** and J. R. Scully, "Use of Coupled Multielectrode Arrays to Elucidate the pH Dependence of Copper Pitting in Potable Water," *Journal of The Electrochemical Society*, Vol. 157, No. 1, C36-C46, 2010
- **H. Cong**, H. T. Michels and J. R. Scully, "Passivity and Pit Stability Behavior of Copper as a Function of Selected Water Chemistry Variables," *Journal of The Electrochemical Society*, Vol. 156, No. 1, C16-C27, 2009
- **H. Cong**, F. Bocher, N. D. Budiansky, M. F. Hurley and J. R. Scully, "Use of Couple Multi-Electrode Arrays to Advance the Understanding of Selected Corrosion Phenomena," *Journal of ASTM International*, Vol. 4, No. 10, 2007  
\*This paper was also selected to be published in *Journal of ASTM International Selected Technical Papers STP 1506- Advances in Electrochemical Techniques for Corrosion Monitoring and Measurement*, Sankara Papavinasam, and Neal S. Berke et al., editors. ASTM International, West Conshohocken, PA, 2009
- N. D. Budiansky, F. Bocher, **H. Cong**, M. F. Hurley and J. R. Scully, "Use of Coupled Multi-Electrode Arrays to Advance the Understanding of Selected Corrosion Phenomena," *Corrosion (Houston)*, Vol. 63, No. 6, p. 537-554, 2007

## HONORS AND AWARDS

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- Morris Cohen Graduate Student Award of the Corrosion Division, the Electrochemical Society (2011)
- NACE Foundation Book Scholarship Award (2007)
- Mars Fontana Award for Corrosion Engineering, NACE (1<sup>st</sup> Place – 2007)
- Mars Fontana Award for Corrosion Engineering, NACE (1<sup>st</sup> Place – 2006)

## PROFESSIONAL AFFILIATIONS

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- NACE (National Association of Corrosion Engineers) International
- ECS- The Electrochemical Society
- ASTM (American Society for Testing and Materials) International
- ISE- International Society of Electrochemistry

Dr. Hongbo Cong. Title: Associate Professor Dept/Program: Chemical, Biomolecular, and Corrosion Engineering Office: AERC 213C Phone: 330-972-8491 Email: hcong@uakron.edu Curriculum Vitae: Download in PDF format. Information For Hong Kong politicians face five-year election ban for improper oaths. Although planned legislation will not have retroactive effect, district councillors' past conduct will be taken into account when assessing their pledges, official says. Although planned legislation will not have retroactive effect, district councillors' past conduct will be taken into account when assessing their pledges, official says. 24 Feb 2021 - 3:15AM. Beijing considers ~Hong Kong Legco constituency break-up, axing super seats. Hongbo Cong's 31 research works with 193 citations and 7,438 reads, including: Microwave irradiation synthesis to obtain La<sub>0.7-x</sub>Pr<sub>x</sub>Ca<sub>0.3</sub>MnO<sub>3</sub> perovskites: Electrical and electrochemical performance. Hongbo Cong's research while affiliated with University of Akron and other places. Overview. Publications (31). The Hong Kong's territory consists of Hong Kong Island, Kowloon Peninsula and the New Territories, including over 260 outlying islands. Located on the southern coast of China, Hong Kong has a pleasant climate and nice scenery. People visit Hong Kong throughout the year, but the best time is from October to early December. The tourism industry is one of the major parts of the economy and a visa is not required for most european, american and asian countries.