



路民旭, 1954年5月出生, 新材料技术研究院教授, 博士生导师, 环境损伤评估与控制研究室主任。1982年在北京航空航天大学金属材料科学与工程专业获学士学位, 1985年在北京航空航天大学金属材料及热处理专业获硕士学位, 1992年在西北工业大学金属材料及热处理专业获博士学位。主要从事金属材料腐蚀疲劳, 油气管道剩余强度和剩余寿命预测, 高温高压环境下的 H_2S 和 CO_2 腐蚀以及现代阴极保护技术与交直流干扰研究。目前兼任国家安全生产专家, 中国腐蚀与防护学会常务理事, 中国石油学会储运专业委员会委员, 中国石油储运—完整性工作部副主任, 中国石油学会 NACE 中国联络部专家委员, 中国化工防腐蚀协会常务理事, 中国机械工程学会压力容器分会理事, 华人美洲腐蚀与材料协会理事会常务理事; 《材料保护》、《稀有金属材料及工程》、《油气储运》等杂志编委; 化学工业出版社国外著作出版专家评审成员。

【在研科研项目】

1. 国家科技重大专项, 荔湾 3-1 气田设施内腐蚀控制机选材设计 (2011ZX05056-001-08), 2011年-2015年
2. 国家工信部项目, 水下生产系统材料与防腐工程设计关键技术研究 (Z14SJENG0115), 2014年-2015年
3. 国家自然科学基金, 油套管丝扣塑性变形促进腐蚀加速机理和控制措施研究 (51371034), 2013-2017

【代表性学术论文】

1. Minxu Lu, Dezhi Tang, Yanxia Du, Lei Zhang, Investigation on corrosion of zinc ribbon under alternating current, *Corrosion Engineering, Science and Technology*, 2015, 50: 256-263.
2. Lu M X, Liu X K, Wang J J, Fu X J, Zheng X L. Effects of heat treatment and environment on crack propagation rate in steel GC-4 under corrosion fatigue and stress corrosion, *Acta Metallurgica Sinica*, 1992, 5: 183-189.
3. Lu M X, Zheng X L. A new microcomputer aided system for measuring fatigue crack propagation threshold and selecting testing parameters, *Eng. Fract. Mech.*, 1993, 45: 889-896.
4. Lu M X, Zheng X L. Overloading behavior of corrosion fatigue crack initiation for 300M steel, *Acta Metallurgica Sinica*, 1993, 29: 496-503.
5. Lu M X. A review of pipeline integrity assessment and some progress in China, *ASME International Pipeline Conference*, 2008, Calgary, IPC2008-64195



Minxu Lu, the professor of Institute for Advanced Materials and Technology, USTB, received his B.E. and M.E. in metallic materials science and engineering and metallic materials fatigue from Beijing University of Aeronautics and Astronautics, in 1982 and 1985, and his Ph.D. in corrosion fatigue of metallic material from Northwestern Polytechnical University in 1992. His recent research interests include corrosion fatigue of metallic materials, remaining strength assessment and remaining life prediction of oil and gas pipeline, CO₂ and H₂S corrosion under high-temperature and high-pressure conditions, multiphase flow induced corrosion, modern cathodic protection and AC/DC interference. Professor Lu is managing director of Chinese America Association of Corrosion and Materials. Besides, he is supervisor of NACE China Student Section. As the chair or organizing committee, he organized the NACE Shanghai Conference 2010 and 2011, organized the EAP Conference 2012 in Shanghai, and organized the SINOCORR Conference 2014 in Beijing. As the NACE TCC liaison to China, he co-organizes with NACE TCC Chair and Vice Chair several TCC workshops together in China.

【Publications】

1. Minxu Lu, Dezhi Tang, Yanxia Du, Lei Zhang, Investigation on corrosion of zinc ribbon under alternating current, *Corrosion Engineering, Science and Technology*, 2015, 50: 256-263.
2. Lu M X, Liu X K, Wang J J, Fu X J, Zheng X L. Effects of heat treatment and environment on crack propagation rate in steel GC-4 under corrosion fatigue and stress corrosion, *Acta Metallurgica Sinica*, 1992, 5: 183-189.
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