

ASME MED Quality and Reliability (Q&R) Technical Committee (TC)

Report for MSEC 2020

June 15, 2020

A. Committee Membership

Number of Committee Members: Total 16 (list in Appendix). Membership updated on June 15, 2020, based on the 4-year serving rule established in 2008.

New Member who joined in 2019:

No.	First Name	Last Name	Affiliation
1	Xiaowei	Yue	Virginia Tech
2	Xiaolei	Fang	North Carolina State University
3	Mohammad Abubaker	Nabhan	King Fahd University of Petroleum & Minerals, Saudi Arabia

Chair: Yong Wang (Binghamton University)

Vice-Chair: Dazhong Wu (University of Central Florida)

B. Update on Q&R TC Activities

1. MSEC 2020

- Q&R TC received 2 symposium proposals of which 2 were approved and sponsored

List of Symposia (2)

1. Reliability Engineering and System Safety in Advanced Manufacturing

Dr. Dazhong Wu, University of Central Florida, Orlando, FL, USA. 407-823-1561;

Dazhong.Wu@ucf.edu

Dr. Yiran Yang, University of Texas at Arlington, Arlington, TX, USA. yyang223@uic.edu

Dr. Miao He, National Oilwell Varco, Houston, TX, USA. miao.he@nov.com

2. Advances in Quality and Continuous Improvement in Manufacturing Development and Execution

Dr. Herman Tang, Eastern Michigan University, Ypsilanti, MI, USA. Ph: (734) 487-2040;

htang2@emich.edu

Mr. Mike Smith, Magna International - Powertrain, Troy, MI, USA. Ph: (248) 525-8752;

mike.smith1@magna.com

C. MSEC 2021

The 2021 International Manufacturing Science & Engineering Conference (MSEC 2020) and the 49th North American Manufacturing Research Conference (NAMRC49) will be hosted by the University of Cincinnati, June 21–June 25, 2021 in Cincinnati, Ohio, USA.

- Q&R TC received 3 symposium proposals so far (June 15, 2020).

List of Symposia (received)

1. Reliability Engineering and System Safety in Advanced Manufacturing

Dr. Dazhong Wu, University of Central Florida, Orlando, FL, USA. 407-823-1561; Dazhong.Wu@ucf.edu

Dr. Yiran Yang, University of Texas at Arlington, Arlington, TX, USA. yyang223@uic.edu

Dr. Miao He, National Oilwell Varco, Houston, TX, USA. miao.he@nov.com

2. Advances in Quality, Reliability, and Continuous Improvement in Manufacturing Development and Execution

Dr. He (Herman) Tang, Eastern Michigan University, Ypsilanti, MI, USA. Ph: (734) 487 2040; htang2@emich.edu

Mr. George (Mike) Smith, Magna Powertrain, Troy, MI, USA. Ph: (248) 525-8752; mike.smith1@magna.com

3. Data-Enabled Modeling, Detection, Optimization, and Prognostics for Quality and Reliability Improvement of Advanced Manufacturing Systems

Dr. Xiaowei Yue, Virginia Tech, Blacksburg, VA, USA. 540-231-9081; xwy@vt.edu

Dr. Xiaolei Fang, North Carolina State University, Raleigh, NC, USA. 919-515-0312; xfang8@ncsu.edu

Dr. Mohammad Abubaker Nabhan, King Fahd University of Petroleum & Minerals, Saudi Arabia. nabhan@kfupm.edu.sa

Appendix. Member List of ASME MED Quality and Reliability Committee (Updated June 15, 2020)

EXISTING MEMBERS

	First Name	Last Name	Email	Affiliation	Area	Note	Term
1	Zeyi	Sun	sunze@mst.edu	Missouri University of Science and Technology	Sustainable manufacturing		2020
2	Yong	Wang	yongwang@binghamton.edu	Binghamton University	Reliability modeling for complex system		2020
3	Ruoyu	Li	rouyu.li@nov.com	National Oilwell Varco	Reliability, prognostic and diagnostic		2020
4	Ying	Peng	ying.peng@zf.com	ZF-TRW Automotive	Sensors processing, equipment condition monitoring		2020
5	Yisha	Xiang	yxiang@lamar.edu	Lamar University	Reliability and maintenance		2020
6	Dazhong	Wu	dazhong.wu@ucf.edu	University of Central Florida	Reliability, prognostic and diagnostic		2021
7	Jia	Deng	jiadeng@binghamton.edu	Binghamton University	Advanced manufacturing		2021
8	Shiming	Duan	shiming.duan@gm.com	General Motors Global R&D	Diagnostics and Prognostics, signal processing		2021
9	Herman	Tang	htang2@emich.edu	Eastern Michigan University	Quality management		2021
10	Yiran	Yang	yiran.yang@uta.edu	University of Texas at Arlington	Advanced manufacturing		2022
11	Miao	He	miao.he@nov.com	National Oilwell Varco	Diagnostics and Prognostics, signal processing		2022
12	Fuda	Ning	fning@binghamton.edu	Binghamton University	Advanced manufacturing		2022
13	Fadwa	Dababneh	fdababneh@georgiasouthern.edu	Georgia Southern University	Sustainable manufacturing		2022

NEW MEMBERS

	First Name	Last Name	Email	Affiliation	Area	Note	Term
1	Xiaowei	Yue	xwy@vt.edu	Virginia Tech	Advanced manufacturing		2023
2	Xiaolei	Fang	xfang8@ncsu.edu	North Carolina State University	Advanced nabyfacyrubb		2023
3	Mohammad Abubaker	Nabhan	nabhan@kfupm.edu.sa	King Fahd University of Petroleum & Minerals, Saudi Arabia	Advanced manufacturing		2023