

Journal of Failure Analysis and Prevention

Best Paper Award

The *Journal of Failure Analysis and Prevention (JFAP)* Best Paper Award was established in 2006 to recognize the author or authors whose paper has been selected as the best of those published in a specific volume of the journal. The award is presented at the ASM Leadership Luncheon at IMAT. The award, in addition to the recognition, includes a plaque and \$1000 worth of ASM International products and services. *JFAP* is the official journal of the Failure Analysis Society.

Recipients of the *JFAP* Best Paper Award:

2024

[“Copper Contamination Cracking in a Pipeline Repair Weld”](#)

Connor Slone, Ehsan Mostaed, Cory Cline, Dan Kaplowitz, Gabriel Ganot, and Brad James

Published in Volume 24 issue 2 – April

2023

[“Failure of Steel Shafts Due to Improper Repair Welding”](#)

Brett Miller, Remmel Taylor, Phillip Swartzentruber, and Brian Kelly

Published in Volume 23 issue 2 – April

2022

[“Material Failure Analysis of Three In-flight Wing Fractures of Wooden Aircraft”](#)

Dirk Lukowsky and Anja Gohla

Published in Volume 22 issue 3 – June

2021

[“An Investigation of an Oil Barge Explosion in Corpus Christi, TX”](#)

Erik Mueller, Nancy McAtee, and David Flaherty

Published in Volume 21 issue 1 – February

2020

[“A Fractographic Analysis of Additively Manufactured Ti6Al4V by Electron Beam Melting: Effects of Powder Reuse”](#)

Reid Schur, Sean Ghods, Eric Schultz, Conall Wisdom, Rishi Pahuja, Alex Montelione, Dwayne Arola, and Mamidala Ramulu

Published in Volume 20 issue 3 – June

2019

[“Preload from Tightening and Removal Torque”](#)

Daniel P. Hess

Published in Volume 19 issue 4 – August

2018

[“Investigation and Recommendations on Bottom-Dented Petroleum Pipelines”](#)

Erik Mueller, Xiaohu Liu, Ravindra Chhatre, and Adrienne Lamm

Published in Volume 18 issue 1 – February

2017

[“Wheel Attachment Failures in Light-Duty Vehicles”](#)

James D. Varin

Published in Volume 17 issue 4 – August

2016

[“Managing Cold Temperature and Brittle Fracture Hazards in Pressure Vessels”](#)

Daniel J. Benac, Nicholas Cherolis, and David Wood

Published in Volume 16 issue 1 – February

2015

[“Manufacturing Induced Hydrogen Embrittlement of 52100 Bearing Steel Outer Ring”](#)

Paul Roffey

Published in Volume 15 issue 1 – February

2014

[“The Effect of Phosphate on the Properties of Copper Drinking Water Pipes Experiencing Localized Corrosion”](#)

Darren A. Lytle and Colin P. White

Published in Volume 14 issue 2 – April

2013

[“An Environmentally Assisted Cracking Evaluation of UNS C64200 \(Al–Si–Bronze\) and UNS C63200 \(Ni–Al–Bronze\)”](#)

Michelle Gaudett Koul and Jennifer Gaies

Published in Volume 13 issue 1 – February

2012

[“Replaying the Fracture Process of a Failed Space Shuttle Orbiter Thruster”](#)

Takao Kobayashi, Donald. A. Shockey, and Jeremy Jacobs

Published in Volume 12 issue 6 – December

2011

[“Failure Analysis and Prevention of Fires and Explosions with Plastic Gasoline Containers”](#)

Glen Stevick, Joseph B. Zicherman, David Rondinone, and Allan Sagle

Published in Volume 11 issue 5 – October

2010

[“Counting on Fatigue: Striations and Their Measure”](#)

Paul H. DeVries, Kevin Ruth, and Daniel P. Dennies

Published in Volume 10 issue 2 – April

2009

[“Classical Fatigue Design Techniques as a Failure Analysis Tool”](#)

Dean Harris and T. Jur

Published in Volume 9 issue 1 – February

2008

[“Structures and Components by Metal-Induced Embrittlement”](#)

Stanley P. Lynch

Published in Volume 8 issue 3 – June

2007

[“Case Study of an Aerosol Explosion and a Method to Determine Explosion Temperatures”](#)

Michael Fox, Richard Hastings, Scott Lovald, and Juan Heinrich

Published in Volume 7 issue 3 – June

2006

["A Brief History of Fractography"](#)

Stanley P. Lynch and Stavroula Moutsos

Published in Volume 6 issue 6 – December