

## Contact

[www.linkedin.com/in/john-burke-097a8b25](https://www.linkedin.com/in/john-burke-097a8b25) (LinkedIn)

## Top Skills

Chemical Engineering  
Manufacturing Chemical Process  
Troubleshooting  
Wastewater Treatment

# John Burke

Executive Engineer  
Painesville, Ohio, United States

## Summary

John Burke has 50+ years' experience in metalworking manufacturing involving the balance of optimizing chemical usages while meeting strict environmental requirements. John is considered a subject matter expert in the treatment of oily wastewater, especially when those wastes involve complex surfactants and emulsifiers. He is the lead author for two chapters in the STLE book "Metalworking Fluids", Third ed. John has 10 U.S. patents and over 80 international patent filings. He has been an instructor for STLE's Metalworking Fluid Education Course for the past 25 years. John is a Certified Metalworking Fluid Specialist (CMFS). He received the P. M. Ku Award from STLE in 2006. John became a Fellow in STLE in 2011. John is an Associate Editor for the STLE Journal Tribology Transactions. John received the highest service award from the Independent Lubricant Manufacturers Association (ILMA) in 2015. He received the Governor's Awards for waste minimization in the States of Ohio and Tennessee. John received an award from President George Bush at the White House in 1991 for advances in waste minimization.

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## Experience

Burke Chemical Metalworking Processes  
Director Of Engineering  
January 2021 - Present (2 years 8 months)  
Cleveland, Ohio, United States

Quaker Houghton  
Director Engineering Services  
August 2019 - January 2021 (1 year 6 months)  
Conshohocken, Pennsylvania, United States

Houghton International  
Global Director of Engineering Services  
November 2001 - August 2019 (17 years 10 months)

Valley Forge PA

Industrial Wastewater treatment, design, troubleshooting, - especially oily wastewater

Metalworking Fluid recycling processes

Pure water systems, RO, DI

Systems integration for wastewater treatment and pure water

Eaton Corporation

Director of Environmental Engineering Services

January 1972 - November 2001 (29 years 11 months)

Global responsibility for assisting manufacturing facilities in achieving environmental compliance and setting long range environmental master plans

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## Education

University of Dayton

Chemical Engineering, Chemistry and Mathematics · (1967 - 1971)