

*The
William Spraragen
Memorial Certificate Award*

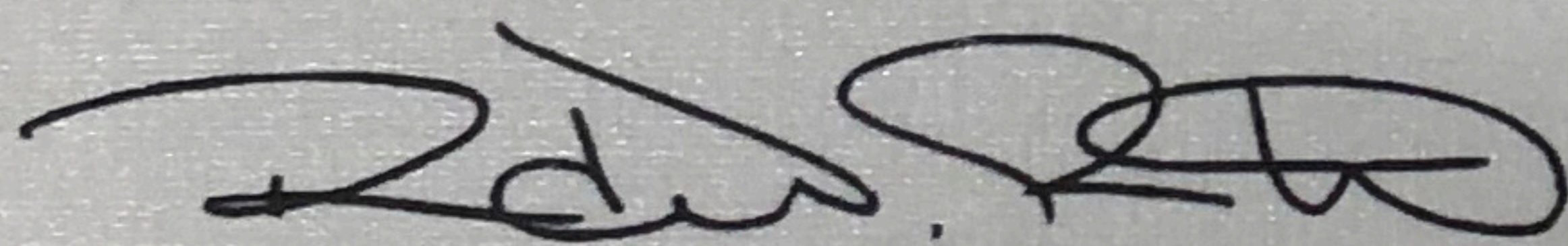
Presented to

Dr. Shinichi Tashiro

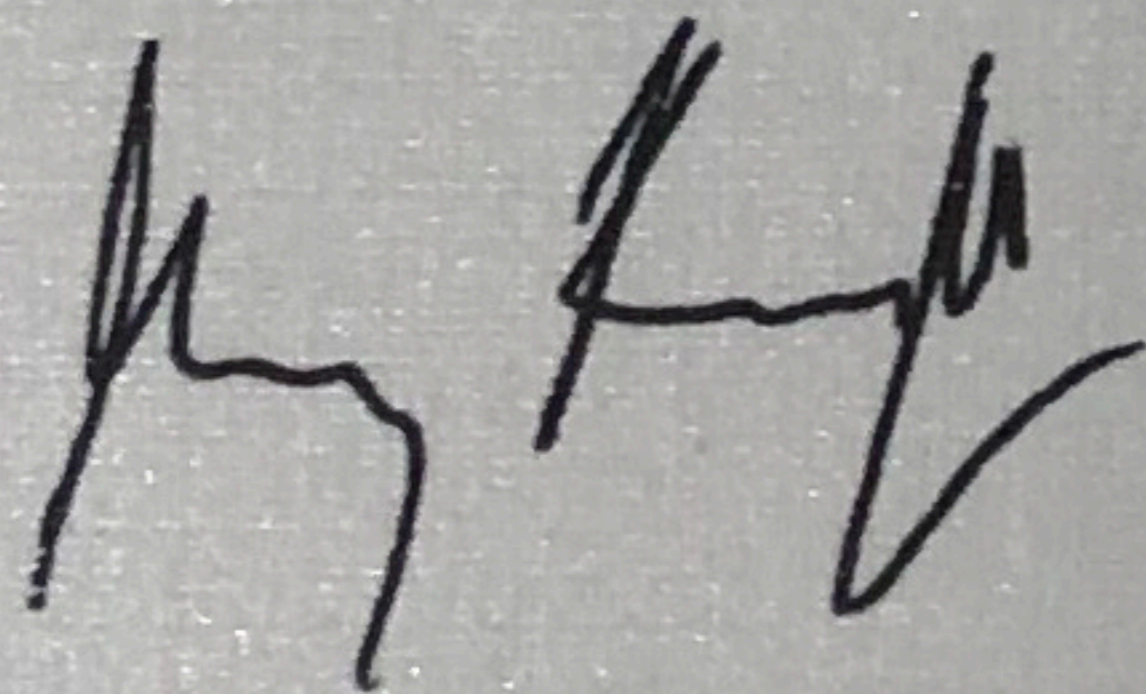
*By the American Welding Society
For the best research paper printed in the Supplement of the
Welding Journal during the twelve-month period
Ending with the November 2019 issue.*

*“Undercut Formation Mechanism in Keyhole Plasma Arc
Welding”*

Given this 19th day of November 2020



AWS PRESIDENT



AWS EXECUTIVE DIRECTOR & CEO

