

Institute of
mathematics
& its applications

This is to certify that

James Patrick Howard, II

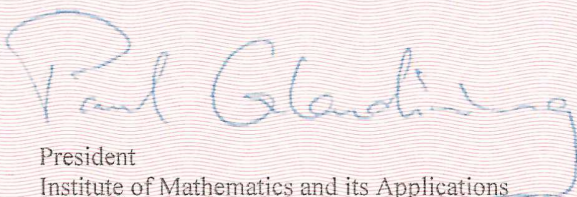
was approved as a

Fellow

on the 18 February 2022

Membership Number: P0045073

*Given under the Common Seal of the Institute
by resolution of the Council*


President
Institute of Mathematics and its Applications



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