



# CERTIFICATE

Noureddine El Karoui

participated in the International Congress of Mathematicians – ICM2018, held at Riocentro Convention Center, Rio de Janeiro, RJ, Brazil, from August 1–9, 2018 and presented the following Invited Lecture: “Random matrices and high-dimensional statistics: Beyond covariance matrices”.

Rio de Janeiro, August 9, 2018

  
Marcelo Viana  
ICM2018 Chair