The Regents of the University of Minnesota on the recommendation of the faculty

Ahmad Saguih Sina

have conferred upon

 ∞ the degree of ∞

Doctor of Philosophy

with all its privileges and obligations.

Giben at Minneapolis, in the State of Minnesota, this twenty-ninth day of December two thousand twenty one.

Brian R. Steeves
Secretary, Board of Regents

and Awkecher

Dean, College of Design



University of Minnesota

Brezident

Executive Vice President and Propost

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Stacey Tidball Interim Associate Vice Provost & University Registrar

> Questions? Contact: otr@umn.edu