

**THE ENVIRONMENTAL AND WATER RESOURCES INSTITUTE
OF THE
AMERICAN SOCIETY OF CIVIL ENGINEERS
PRESENTS THIS CERTIFICATE TO**

TAMER CHEGINI

in recognition of Third Place in the Graduate Student Paper Competition, for the paper
**COMPARISON OF VARIOUS TURBULENCE MODELS FOR VIOLENT GEYSERS IN
VERTICAL PIPES**



**ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE**

A handwritten signature in black ink, appearing to read 'Cristiane Surbeck'.

Cristiane Queiroz Surbeck, Ph.D., P.E., ENV SP,
F.EWRI, M.ASCE
2018 EWRI President

A handwritten signature in black ink, appearing to read 'Brian Parsons'.

Brian K. Parsons, P.E., M.ASCE
EWRI Director



Presented this 6th day of June 2018