



2020/2021 Executive Committee

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2020 CGS-SOS Christmas Webinar
Around the World in 100 Years: Our Geotechnical Journey
By: Dr. J. Carlos Santamarina

Date: Tuesday December 15, 2020
Agenda: 11:45 – 12:00 PM CGS-SOS Award
12:00 – 1:30 PM Lecture

Registration Link: [Eventbrite](#)

The link to access the webinar will be provided to the registrants in advance of the event.
Registration will end on Tuesday December 13.

Abstract:

A century has passed between Terzaghi arriving in Turkey to the recent dam failures in Brazil. Let's go back in time and around the world to gain a renewed understanding of geomaterials. This presentation revisits interparticle forces (watching ants dig tunnels), consolidation (from Boyle's gas law to seafloor self-compaction), permeability (Leonardo's parachute), frictional strength (desert dunes), fracking (a visit to Machu Picchu), multiphase fluids (while cleaning dishes), cyclic loads (from Canada to Masada), and soil classification (from Mendeleev's periodic table, to Casagrande and beyond). We will conclude with new developments and pending challenges.

Distinguished Speaker:
Dr. J. Carlos Santamarina
Professor - KAUST



Dr. J. Carlos Santamarina (Professor - KAUST) graduated from Universidad Nacional de Córdoba and completed graduate studies at the Universities of Maryland and Purdue. He taught at NYU-Polytechnic, the University of Waterloo and at Georgia Tech before joining KAUST in 2015. His research centers on the science of geomaterials and engineering solutions to address global energy challenges, with contributions from resource recovery to energy and waste geostorage. He delivered the 50th Terzaghi Lecture on Energy Geotechnology, was a British Geotechnical Association Touring Lecturer, and is member of both Argentinean National Academies. Former team members are professors at more than forty universities, researchers at national laboratories, or practicing engineers at leading organizations worldwide.

**The Canadian Geotechnical Society
Southern Ontario Section**



**La Société Canadienne de Géotechnique
Section Sud de l'Ontario**

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General Admission to Webinar	Free
<p style="text-align: center;">Sponsorship</p> <p>Each Sponsor will have their logo prominently displayed on the first slide of the presentation accompanied with an acknowledgement, as well at the end during the Q & A session.</p>	\$150
<p><i>If you have difficulties using Eventbrite, please contact Matt Macintosh (mmacintosh@recocanada.com) for assistance.</i></p>	