

RE: Invitation to Symposium in Honor of *Prof. Cesar A. Sciammarella's 95<sup>th</sup> Birthday*

Dear SEM member,

On Behalf of the Optical Methods Technical Division of the Society for Experimental Mechanics, it is our great pleasure to announce the "Special Symposium on Multiscale Optical Methods for Experimental Mechanics, in Honor of Prof. Cesar A. Sciammarella's 95th Birthday". The Symposium will celebrate Prof. Cesar Sciammarella's 95th birthday and his vast contributions to experimental mechanics and to multiscale optical measurements. The Symposium will be part of the 2019 SEM Annual Conference on Experimental and Applied Mechanics, to be held in Reno (NV), USA from June 3-6, 2019.

As you may know, Optical Methods (OM) have been applied for measurements over a wide range of spatial domain and temporal resolution. OM have utilized a full-range of wavelengths from X-Ray to visible lights and infrared. They have been developed not only to make two-dimensional and three-dimensional deformation measurements on the surface, but also to make volumetric measurements throughout the interior of a material body.

Prof. Cesar A. Sciammarella has developed many pioneering ideas and techniques nowadays utilized by scientists and engineers all over the world. He has spent his life using the "mysterious" laws of Optics to solve engineering problems. After almost 70 years of illustrious career, Professor Sciammarella still has tremendous strength, firm will, wonderful dedication and endless patience to explore new frontiers of knowledge.

The Symposium in honor of Prof. Sciammarella will cover all fields of application of optical methods from "classical" problems entailing macro-scale measurements to micro and nanoscale applications. Moiré, speckle, holography, image correlation, photoelasticity, microscopy and, more generally, any measurement technique based on the modulation of electromagnetic waves constitute the subject of the symposium. Structural mechanics, materials science, bioengineering, aerospace engineering, nanosciences and nanotechnology are the natural field of applications of the aforementioned techniques.

The Symposium will include: (i) a main lecture of 40 min given by Prof. Sciammarella; (ii) 30 min lectures given by other eminent scholars' active in the field; (iii) "regular" sessions with standard 20 minute presentations. We plan to include the best papers presented at the Symposium in one or at most two Special Issues of the SEM journals (Experimental Mechanics, Experimental Techniques, and Journal of the Dynamic Behavior of Materials).

Should you decide to contribute to the Symposium, please upload your abstract via the SEM online submission website, <https://sem.org/annual>. Once you log into the submission system, you should choose "Advancement of Optical Methods in Experimental Mechanics" as the Track and enter the Symposium in the "Organizer" field.

We hope that you will consider submitting an abstract/paper to this Special Symposium.

The Symposium Organizers

Horacio D. Espinosa, Luciano Lamberti, Cosme Furlong, Helena Jin, C-H. Hwang, Mingtzer Lin