

Press Release

Paris, November 21, 2019

Pr. Francisco Chinesta, teacher and researcher at *Arts et Métiers*, director of ESI Group's scientific department & president of its scientific committee, awarded CNRS silver medal

ESI Group, global actor in virtual prototyping and numeric simulation for industries, announces that Professor Francisco Chinesta, director of its scientific department and president of its scientific committee, was awarded the silver medal of the French National Center for Scientific Research (CNRS) during a ceremony on Thursday November 21, 2019 at the Arts and Culture Center of Meudon, France.

Professor Chinesta, 53 years, is one of the most renowned international researchers in simulation and modelling, and professor of computational science at the French National School of *Arts et Métiers* (ENSAM). Holding a PhD in numerical mechanics from the "Universidad Politécnica de Valencia" in Spain, he notably managed the AIRBUS Chair, created an Academic Chair with Centrale Nantes and ESI Group in 2013, an academic chair with the University of Zaragoza in 2018, and another one with "*L'Institut National Supérieur des Arts et Métiers*" in 2019.

Globally recognized for his expertise, Pr. Francisco Chinesta was elected senior member of the "Institut Universitaire de France" in 2011, and later member of the "Real Academia de Ingeniería de España" in 2013. He obtained in 2018 the Zienkiewicz medal of the International Association of Computational Mechanics – IACM (New York, United States), and became Doctor Honoris Causa at the University of Zaragoza. In addition to these numerous activities, he is Editor in Chief and Coeditor of several international scientific publications and recorded nearly 300 articles and 600 participations in conferences.

Chairman of the ESI Group – *Arts et Métiers* chair, Professor Francisco Chinesta is convinced of the democratization of numerical simulation and the manufacturers' needs to use more efficient and cost-reducing solutions to meet their transformation challenges.

Vincent Chaillou, Chief Operating Officer of ESI Group, commented: "*It is a great day for ESI with the prestigious CNRS prize being granted to Professor Chinesta who deserves our recognition and congratulations. Thanks to his leadership and his collaboration spirit, we recently pushed several critical boundaries to foster our virtual prototyping solutions. Currently, he is contributing to render our Hybrid Twin™ solution operational in real time, to support the assisted and autonomous piloting in terms of assembling or vehicles, for example.*"

“Scientific innovation is ESI’s DNA. With the emergence of new technologies (internet of things, Big Data, artificial intelligence), we bet on the hybrid paradigm model-data, materialized in the Hybrid Twin™ concept. I feel really lucky to work with the highly qualified teams of ESI Group and their partners.” underlined Pr. Chinesta.

For the past 20 years, CNRS rewards the scholars who contributed most for the Center and the progress of its researches. In each of the CNRS 10 thematic institutes, the silver medal distinguishes one to five researchers “for the uniqueness, quality, and importance of his (their) works, recognized at national and international scale.”

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About ESI

ESI Group is a leading innovator in Virtual Prototyping software and services. Specialist in material physics, ESI has developed a unique proficiency in helping industrial manufacturers replace physical prototypes by virtual prototypes, allowing them to virtually manufacture, assemble, test and pre-certify their future products. Coupled with the latest technologies, Virtual Prototyping is now anchored in the wider concept of the Product Performance Lifecycle™, which addresses the operational performance of a product during its entire lifecycle, from launch to disposal. The creation of a Hybrid Twin™, leveraging simulation, physics and data analytics, enables manufacturers to deliver smarter and connected products, to predict product performance and to anticipate maintenance needs.

ESI is a French company listed in compartment B of NYSE Euronext Paris. Present in more than 40 countries, and addressing every major industrial sector, ESI Group employs about 1200 high-level specialists around the world and reported annual sales of €139 million in 2018. For more information, please visit www.esi-group.com.



About Virtual Prototyping

The transformation of the industrial sector towards a new economy focused on usage is a reality impacting all stakeholders – reducing time to market, intensifying competition, putting pressure on cost, along with regulatory, safety, and environmental disruptions. The challenge for industrials is considerable: to innovate and transform while boosting growth and profitability.

Virtual Prototyping brings an answer allowing industrials to eliminate physical tests and real prototypes. The benefits of ESI’s simulation solutions translate into concrete financial and performance improvements, from initial production to full Product Performance Lifecycle™, paving the way for predictive maintenance.

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