



ARISTOTLE UNIVERSITY OF THESSALONIKI
SCHOOL OF MECHANICAL ENGINEERING
FACULTY OF ENGINEERING

CONFERMENT

UPON

FENGZHOU FANG

PROFESSOR OF TIANJIN UNIVERSITY, CHINA
AND UNIVERSITY COLLEGE DUBLIN, IRELAND
THE DEGREE OF DOCTOR HONORIS CAUSA
OF THE SCHOOL OF MECHANICAL ENGINEERING
FACULTY OF ENGINEERING
ARISTOTLE UNIVERSITY OF THESSALONIKI

Tuesday 17 December 2024, at 18:00
Ceremony Hall, Old Building of the Faculty of Philosophy

INVITATION

The Rector of Aristotle University of Thessaloniki
Professor **Haralambos Feidas**

and the Head of the School of Mechanical Engineering
Associate Professor **Christos Vlachokostas**

cordially invite you

to the conferment ceremony of the Honorary Degree, Doctor Honoris Causa,
of the School of Mechanical Engineering, Faculty of Engineering,
Aristotle University of Thessaloniki to

Fengzhou Fang

Professor of Tianjin University, China and University College Dublin, Ireland

The Laudatio will be addressed by

The Professor of the School of Mechanical Engineering
Nikolaos Michailidis

After the conferment, the Honorary Doctor will deliver the lecture
“The three paradigms of manufacturing advancement”

With honor,

The Rector
Haralambos Feidas

The Head
Christos Vlachokostas



PROGRAM

Address

by the Rector of Aristotle University of Thessaloniki (A.U.Th.)
Professor **Haralambos Feidas**

Address

by the Head of the School of Mechanical Engineering A.U.Th.
Associate Professor **Christos Vlachokostas**

Praise of the Honored

by the Professor of the School of Mechanical Engineering A.U.Th.
Nikolaos Michailidis

Conferment Ceremony

Address and Lecture

by the Honorary Doctor
Fengzhou Fang
Professor of Tianjin University, China and University College Dublin, Ireland
“The three paradigms of manufacturing advancement”

Musical performance

Reception



Dr. Fengzhou Fang

Distinguished University Professor,
Tianjin University and the University College Dublin



Dr Fengzhou Fang is working as a joint professor at the Tianjin University in China and the University College Dublin in Ireland. He has been working in the fields of freeform optics design and manufacturing, bio-manufacturing, and ultra-precision machining and metrology when he became a faculty member at university in 1982.

Professor Fang established the theory of the three paradigms of manufacturing advancement, showing that the era of atomic and close-to-atomic scale manufacturing is inevitable, as dictated by this inherent law. He also revealed nano machining mechanism of extrusion-dominated material removal, clarifying that the classic theory of shearing mechanism would not suit nanometric machining. He is the recipient of the prestigious SME Albert M. Sargent Manufacturing Award in the USA “in recognition of his significant contributions to the fundamentals, processes and technologies in manufacturing” in 2015. Based on his significant contributions to the field of advanced manufacturing, Professor has been elected Fellow of the International Academy of Engineering and Technology (AET), the International Society for Nanomanufacturing (ISNM), the International Academy for Production Engineering (CIRP), the Society of Manufacturing Engineers (SME).

Professor Fang is a Member of the Royal Irish Academy (RIA), a Member of the Academia Europaea (AE), the Founding President of AET, and the Editor-in-Chief of Nanomanufacturing and Metrology.

His scholarly work is impressive, comprising 450 scientific articles in prestigious and high-impact academic journals, as well as 15 books and book chapters. He has received about 17,000 citations for his work, with a Hirsch index (h-index) of 62.