

Professor Sergei Eremenko becomes Honorary Professor

Professor Sergei Eremenko, Australian-Ukrainian scientist, awarded the title of Honorary Professor of National Aerospace University 'Kharkiv Aviation Institute'

SYDNEY, NEW SOUTH WALES, AUSTRALIA, February 27, 2020 /EINPresswire.com/ -- Sergei Eremenko, an Australian-Ukrainian scientist and author of three books, graduate of the National Aerospace University "Kharkiv Aviation Institute", PhD, Doctor of Engineering, formerly one of the youngest professors in the world holding both an academic title and a position of a Professor, has been awarded the academic title of 'Honorary Professor'.



Sergei Eremenko, Honorary Professor, 2020

EARLY LIFE

Sergei Eremenko graduated in 1986 with a degree in Applied Mathematics from the National Aerospace University, Kharkiv Aviation Institute in Ukraine. Upon being admitted to post-graduate PhD study, he started working on engineering, military and space projects with S.P. Korolev Rocket and Space Corporation Energia, Machine-Building Plant "Yuzhmash", Kamov Helicopter Plant, Nikolaev Ship Building Plant, NPO "Turboatom", and a few atomic power stations and heating systems plants. He developed computational models and software packages for the calculation of static and dynamic stress and thermal fields in engineering and space constructions based on variations, invented by him, of finite element methods – structural finite element and equilibrium boundary element methods.

A PHD AT 24

This fundamental and applied research led to a Ph.D. in Mechanical Engineering in 1988. Sergei started publishing his papers in major journals such as Mechanics of Composite Materials, Applied Mechanics, Applied Mathematics and Mechanics, all of which were later translated into English.

TWO BOOKS AT 27 AND 28

By this age, Sergei had authored two books. Remarkably, his first book "Finite Element Methods in Solid Mechanics" ("Методы конечных элементов в механике деформируемых тел", <https://books.google.com.au/books?id=dyTLDwAAQBA>) written at the age of 27, has been widely used for almost 30 years as a text book, referenced in hundreds of (Russian) [Google searches](#), [scientific papers and dissertations](#). The book is included in [many libraries](#) in countries including

Ukraine, Russia, Belarus, Kazakhstan, Armenia and in foreign libraries including the United States, Germany and the Netherlands.

His second Book "Natural Vibrations and Dynamics of Composite Materials and Constructions" (in Russian)

<https://books.google.com.au/books?id=a9jMDwAAQBAJ> was dedicated to the complex problems of vibrations of rocket composite materials.

DOCTOR OF ENGINEERING AT 29, PROFESSOR AT 31

Continuing with passion and drive, Sergei defended his second thesis in mathematical simulation and mechanical engineering at 29, in the first year of post-doctoral study. After receiving his formal diploma of the academic title of professor in 1995 from the Ministry of Education of Ukraine, he was offered the position of Professor at Kharkiv National University of Construction and Architecture where he taught for many years.

Sergei held both the formal academic title and position of a University professor. Also, Sergei received the honour of becoming a Leading Research Fellow at the Institute for Problems in Machinery of the National Academy of Sciences of Ukraine.

SERGEI EREMENKO AND HIS TEACHER

In 1984, Sergei met his teacher and co-author Academician V.L. Rvachev who became the mentor of his second doctoral thesis. The famous Ukrainian Academician and mentor of 70 PhD and 25 professors, V.L. Rvachev became 'the lifetime inspiration' for Sergei, who dedicated many of his papers to his teacher's memory, including a special memorial tribute article

<https://www.researchgate.net/publication/322818484>.

MIGRATION TO AUSTRALIA

In 1997, Sergei and his family migrated to Sydney, Australia. Sergei opened a new chapter in his life by launching his career by establishing company Soliton Scientific and consulting in Science and Technology, IT, Data Science, Artificial Intelligence and Machine Learning. For more than 20 years Sergei has been offering his expertise to international giants such as Hewlett-Packard, Fujitsu, Fuji Xerox and major Australian companies including ANZ Bank, ABC, Towers, Challenger, TABCORP, and HCF Insurance.

His love for fundamental science continues as an independent researcher. His field of research has expanded to the observations and theory of solitons, nonlinear solitonic models and trading robots for financial markets, models of spacetime and matter quantization based on AString atomic functions, and atomic machine learning published in a few papers and a new book (https://www.researchgate.net/profile/Sergei_Eremenko).

His current applied research revolves around the popular domains of Artificial Intelligence and Machine Learning. After receiving his Machine Learning certifications from Stanford and Microsoft, Sergei is passionate about building smart Machine Learning models for financial markets, insurance and health, potentially benefiting millions of people around the world. Dedicated to sharing his knowledge, Sergei has lectured in Machine Learning at The University of Technology of Sydney and at HCF Insurance.

THIRD BOOK

In 2019, Sergei launched his third book – this time of popular science - 'Soliton Nature: Discover Beautiful Nature with 200 images and video channel' <https://www.amazon.com/Sergei-Eremenko/e/B082F3MQ4L> accompanied by a YouTube Video Channel <https://www.youtube.com/channel/UCexT5iyczZH2HY1-jSafFeQ> and an interactive Web Site

www.solitonnature.com. This new book, positively reviewed by scientists in Australia, UK, Russia, and Ukraine, is dedicated to the magnificent nonlinear natural phenomena of solitary, grid, envelope waves, breathers, tsunamis, twisters, and others.

KEEPING CONNECTIONS WITH HIS UNIVERSITY

Being in Australia, Sergei has been keeping up his connections with his alma-mater – the National Aerospace University, providing his memorabilia to the University Anniversary Book 'Times and People' where Sergei is mentioned as a famous university graduate (<https://k304.khai.edu/pub/2018/02/history2018.pdf>).

HONORARY PROFESSOR

In 2019, Sergei was invited to do a scientific presentation to the open seminar of the Department of Informatics at the National Aerospace University, which recommended Sergei be honoured with an honorary title.

By anonymous voting, on the University Scientific Council on 20-Feb-2020, Sergei was awarded the academic title of 'Honorary Professor' of the National Aerospace University 'Kharkiv Aviation Institute' (<https://www.researchgate.net/publication/339499501>).

CONTACTS

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- Facebook <https://www.facebook.com/SergeiEremenko.Author/>,
- ResearchGate https://www.researchgate.net/profile/Sergei_Eremenko,
- web site www.solitonnature.com,
- Video Channel <https://www.youtube.com/channel/UCexT5iyczZH2HY1-jSafFeQ>, and
- Amazon Authors <https://www.amazon.com/Sergei-Eremenko/e/B082F3MQ4L>.

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