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11:00



Prof. Alberto Vale

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BACKGROUND

Professor at DEEC and Researcher at IPFN. He was researcher at the Institute for Systems and Robotics (ISR), Engineer and co-founder of Albatroz Engineering S.A. and Professor at Lisbon School of Health Technology. He has led and participated in national and international research projects related to mobile robotics, in particular research activities of remote handling in nuclear reactors (e. g. ITER, DEMO and DTT).

Artificial Neural Networks in radiological inspection

Abstract

Artificial Neural Networks (ANN) were invented in the mid-20th century but has been more used in last years driven by advancements in computer capabilities and the broadband of Internet. More recently has gained popularity alongside the Artificial Intelligence and the popped out of ChatGPT. Today ANN find extensive applications, such as in Robotics, Industrial Processes, Medical Diagnosis, Financial Analysis, Gaming, Arts and can also be used to localize, quantify and identify radioactive sources.

Join us to learn about ANN and discover their practical use in radiological inspections!

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