

6th MCDSARE - by IFIASA 2021!

THE LIMITS OF SCIENCE AND HUMAN KNOWLEDGE

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MCDSARE Online Conference | 17-18 June 2021

**International Multidisciplinary Scientific Conference on the
Dialogue between Sciences & Arts, Religion & Education**

Speech title: "THE GALILEO GALILEI'S THESIS EXPANDED"

Conference summary:

By Professor Walter Gomide,
(Department of Philosophy/UFMT- Brazil).

In this conference I will talk about how Galilei Galilei's thesis that the book of Nature is written in mathematical characters ended up identifying itself with the much stricter thesis that the book of Nature is written with the grammar of real numbers.

I propose in this conference that the mathematics underlying Nature can be expanded and incorporate, in addition to the real numbers (to which complex numbers are added as auxiliaries), alternative mathematical grammars, such as that of transreal numbers and that of the Arithmetic of the Infinity, the first one created by English computer scientist James Anderson, and the second one created by Russian mathematician Yaroslav Sergeyev.

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