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Jindal School of
Liberal Arts & Humanities
India's First Transnational Humanities School

Jindal School of Liberal Arts and Humanities (JSLH)

invites you to

Public Lecture

on

SYMMETRY IN NATURE.



Prof. Emeritus B. Zhilinskii

Université du Littoral Côte d'Opale, Dunkerque, France

Abstract

This lecture will be devoted to the discussion of the notion of symmetry. Starting from historical background with intuitive appearance of symmetry we will move to manifestations of symmetry in nature and to the evolution of its appreciation by mankind. Different examples of “symmetry operations” will be demonstrated. Along with the discussion of initial observations of beauty and regularity, we will explain how the appropriate mathematical concepts can be formulated and applied for the description of new physical phenomena like the formation of new forms of matter.

About the Speaker

Boris Zhilinskii is Emiratus Professor at the Université du Littoral Côte d'Opale, Dunkerque, France. He obtained his PhD. from Moscow State University in 1973 and then worked as a senior researcher in the Chemistry Department until 1992.

Since 1993 he is full professor at the University of Littoral where he teaches physics and chemistry, in particular symmetry applications in natural science. He was invited professor at different universities including IHES, France; Berkley University, USA; Herzberg Institute of Astrophysics, Canada; Warwick University, Great Britain; Kyoto University, Japan... Author of more than 150 scientific publications in leading international journals and 6 monographs published in English, French & Russian. His main achievement is the demonstration of a new kind of topological effect, namely “Hamiltonian monodromy”, in excited quantum finite-particle systems. This lecture is based on the course and the book of the same name "Symmetry in nature" (by G.Dhont, B. Zhilinskii) edited in French and written for a wide, non-scientific audience.

Wednesday, 28 February 2018 | 6:00 PM

Venue: Classroom 4

O.P. Jindal Global University, Sonipat

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