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Some Challenges of Contemporary Astrophysics

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At the time where several programs both on Space (with new Space telescopes) and on Earth (with largest terrestrial observatories) are prepared or being launched, an exciting period is opened for crucial advances in the exploration of the Universe and understanding of crucial aspects such as indeed the Dark Energy and Dark Matter.

Lecturer: PhD in Astronomy by Universidade de São Paulo, USP (1989), and postdoctoral position at the Royal Greenwich Observatory (UK). Professor Laerte Sodre Junior is currently full professor at USP, and former Director of the Institute of Astronomy, Geophysics and Atmospheric Science, IAG. Various councils, Commissions and Consulting positions. Visiting scientist in places such as: Institute of Astrophysics of Paris, IAP, Observatory of Paris-Meudon, Institute of Astronomy and University of Cambridge in UK. He has a high skilled experience in Astronomy, focusing on Extragalactic Astrophysics, acting on the following subjects: clusters of galaxies, observational cosmology, evolution of galaxies, galaxy classification and gravitational lensing. He is currently participating to the Javalambre Photometric Local Universe Survey (J-PLUS) in North Hemisphere and to the Giant Magellan Telescope, GMT (Text informed by Lecturer on CV Lattes).

Presenter: Prof. SODRE, Laerte (Institute of Astrophysics and Geophysics, IAG, USP, BR)

Session Classification: Vision Introductory Lectures