

CHINA CROSSROADS

Sunday, August 29th, 2021, 15:30 – 17:30

Gravity and the Origins of Time

Antonino Marciano

Associate Professor of Physics

Fudan University

Wooden Box | 9 Qinghai Lu close to Nanjing Xi Lu
125rmb including drink ticket | FREE for members
RSVP to Frank Tsai at editor@shanghai-review.org



Time is among the most elusive concepts humanity has been faced with. The arrow of time, its origin, and its relation to gravity and the other fundamental forces of nature still remain obscure. Answering these questions actually amounts to unveiling the origins of the physical world, and the very cosmological fate of the universe.

[Antonino Marciano](#) is currently Tenured Associate Professor of Physics at Fudan University, Full Professor at the Italian Ministry of University and Research, and member of the Italian Institute of Nuclear Physics (INFN), assigned to the theory division of the Frascati laboratories. As a theoretical physicist, Antonino focuses his scientific research on a variety of research topics, ranging mainly from quantum field theories and theories of gravity to their neighboring research areas (including gravitational waves, cosmic ray physics, dark matter models, dark energy and primordial cosmology, the information paradox in black holes, and quantum gravity and cosmology, including loop quantum gravity and string theory), as well as analogous applications to Solid State Physics and Artificial Intelligence. Antonino has published about 100 articles to-date in international scientific journals with the highest impact factors. He serves as referee for Nature, the American Physical Society, and several Chinese and European journals, and serves as a reviewer for the Italian Minister of the University and Research, the Dutch Royal Academy of Science, and the National Science Centre of Poland. He holds a PhD in Physics from the University of Rome.

[China Crossroads](#) hosts talks on all topics related to China, including business, foreign policy, and other areas as they relate to China, the idea being that China is both already a “crossroads” of the world and itself at a “crossroads” in terms of its future global influence. For more information, contact Frank Tsai at editor@shanghai-review.org.