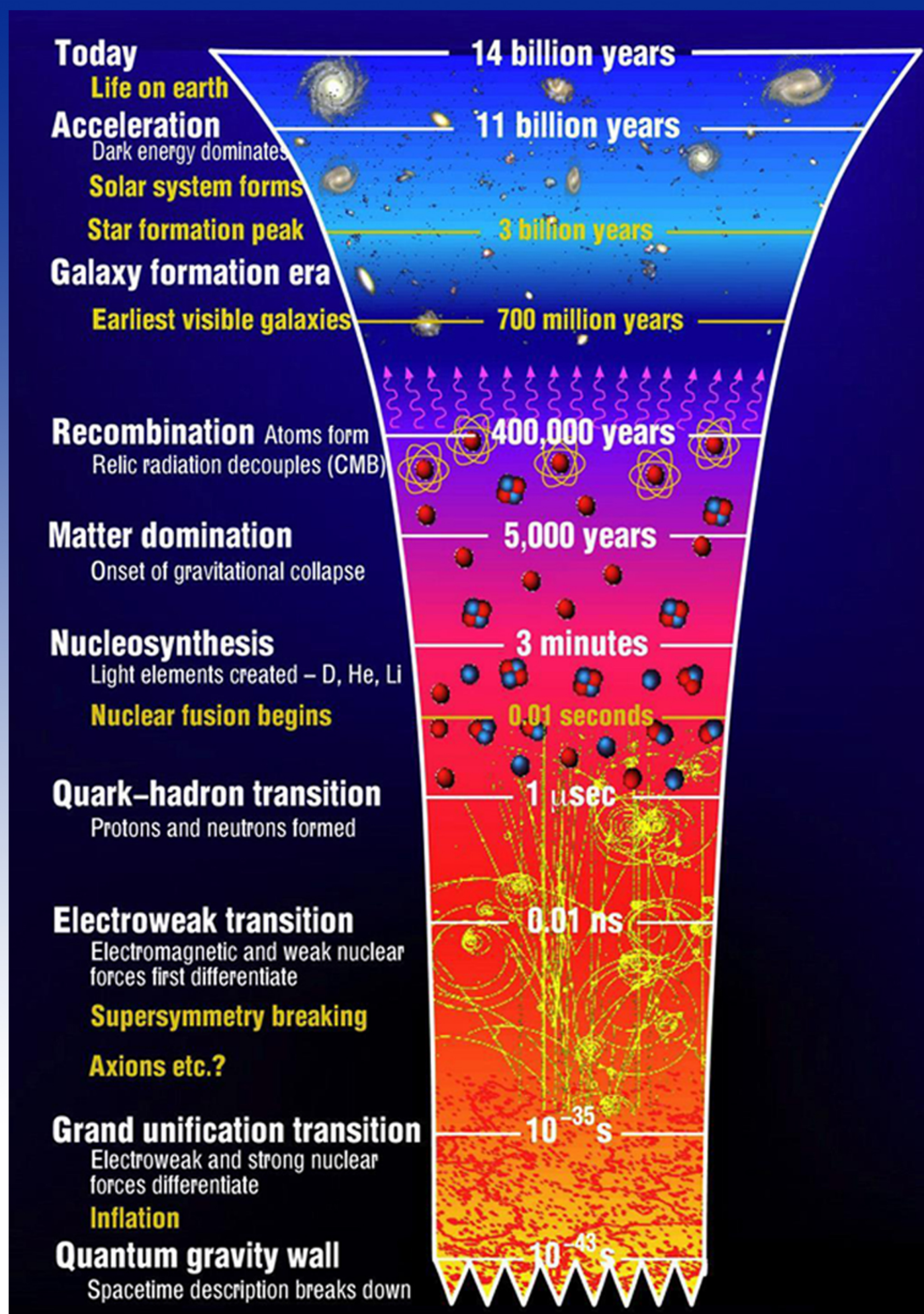


## Physics Colloquium

# Primordial Universe and Cosmic Inflation

**Speaker:** Hassan Firouzjahi, *School of Astronomy, IPM*



### Abstract:

We are in the golden age of cosmology, which is highlighted by this year's Nobel prize in Physics. In this talk, we review various aspects of the standard model of cosmology and its observational implications. In addition, we review inflation as the mechanism behind the density perturbations and the generation of large scale structures in cosmos.



H. Firouzjahi is a professor of physics at the School of Astronomy (IPM). He received his Ph.D. from McGill University in 2003 and, after postdoctoral works at Cornell University (2003-2006) and McGill University (2006-2008), joined IPM as a faculty member in 2008. He is currently the head of the School of Astronomy and a visiting scientist at the University of Mazandaran, Babolsar. His research interests include early universe cosmology, inflation, cosmological perturbation theory and related topics in high energy physics.

**Date:** Wed, 11 December 2019  
20 Azar 1398  
**Time:** 04:00 PM  
**Place:** Conference Hall, Farmanieh  
Bldg (1st floor), IPM



**Address:** No. 70, Lavasani St., Institute for Research in Fundamental Sciences (IPM), Tehran

