ADVANCED TOPICS IN COSMOLOGY

28 June - 2 July 2021

as part of MEXICOPAS
http://fisica.ugto.mx/~events/mexicopas/

Online with Zoom lectures, slack channels for offline interactions offline and social events.

http://fisica.ugto.mx/~events/macss/

The main goal is to prepare the next generation of students, postdocs, and researchers to perform cosmological simulations in the era of large scale surveys like DESI, LSST, etc.

The first part of each day will be devoted to lectures and tutorials providing the basis generating cosmological simulations. The rest of the day will be dedicated to hands-on sessions for developing projects.

Organizing Committee:

Gonzalez Morales A.(U. Guanajuato)
Vargas Magaña M. (IF-UNAM)
de Santiago Sanabria J. (CINVESTAV)
Fromenteau S.(ICF.-UNAM)
Niz G.(U. Guanajuato)
Ureña López L. ((U. Guanajuato)
Vazquez A.(ICF.-UNAM)

Local Organization Committee:

Faculty of the Gravitation and Mathematical Physics group at Universidad de Guanajuato.

Deadline for registration:
June 20. 2021

Registration at
https://forms.gle/3rzRWj4WCcNv6vBm8

Enquires to: **cosmostatschool@gmail.com**

Organizing Institutions:

División de Ciencias e Ingenierías, Universidad de Guanajuato, Campús León,
Instituto Avanzado de Cosmología (IAC),
Consejo Nacional de Ciencia y Tecnología (CONACyT)
Instituto de Física, UNAM
Instituto de Ciencias Físicas, UNAM
CINVESTAV.
https://www.elon.co/que-el-es-machine-learning/

Lecturers & Projects Leads:
Aragon, Miguel (UNAM-IAE , Mexico)
Birrer Simon (UCLA, US)
Kirby, David (UCL, US)
Linares. F.(MCTP, Chiapas)
+ members from the organizing committee.

Program:

Bayesian Statistics
Machine Learning
Photometric Redshift
Strong Lensing
Genetic Coding

Instituto de Física UNAM
INSTITUTO DE CIENCIAS FÍSICAS
Cinvestav
CONACYT
INSTITUTO AVANZADO DE COSMOLOGIA