

List of Topics with References

Topic 0: OSIRIS-Rex and Hayabusa 2 (Exemplary talk by X. Bai)

<http://global.jaxa.jp/projects/sat/hayabusa2/>

<https://www.asteroidmission.org/>

Topic 1: Kepler/K2 (contact: X. Bai)

https://www.nasa.gov/mission_pages/kepler/main/index.html

<https://keplerscience.arc.nasa.gov/index.html>

<http://archive.stsci.edu/kepler/>

Topic 2: TESS (contact: X. Bai)

<https://tess.gsfc.nasa.gov/>

<https://tess.mit.edu/>

https://en.wikipedia.org/wiki/Transiting_Exoplanet_Survey_Satellite

Topic 3: GPI/SPHERE (contact: X. Bai)

<https://www.eso.org/sci/facilities/paranal/instruments/sphere/inst.html>

<http://planetimager.org/about/>

<http://www.gemini.edu/sciops/instruments/gpi/>

Topic 4: MOA/OGLE/KMTNet (contact: S. Mao)

<http://www.phys.canterbury.ac.nz/moa/>

<http://ogle.astrouw.edu.pl/>

<http://kmtnet.kasi.re.kr/kmtnet-eng/>

Topic 5: PLATO (contact: X. Bai)

<http://sci.esa.int/plato/>

[https://en.wikipedia.org/wiki/PLATO_\(spacecraft\)](https://en.wikipedia.org/wiki/PLATO_(spacecraft))

<https://link.springer.com/article/10.1007%2Fs10686-014-9383-4>

Topic 6: HARPS spectrograph (contact: X. Bai)

<http://www.eso.org/sci/facilities/lasilla/instruments/harps.html>

https://en.wikipedia.org/wiki/High_Accuracy_Radial_Velocity_Planet_Searcher

Topic 7: HabEx and LUVOIR (contact: X. Bai)

<https://www.jpl.nasa.gov/habex/>

<https://asd.gsfc.nasa.gov/luvoir/>

Topic 8: Keck observatory (contact: D. Xu)

<http://www.keckobservatory.org/>

<http://www2.lbl.gov/Science-Articles/Archive/keck-telescope.html>

Topic 9: Very Large Telescope (contact: D. Xu)

<http://www.eso.org/sci/facilities/paranal/telescopes/ut.html>

https://en.wikipedia.org/wiki/Very_Large_Telescope

Topic 10: TMT/GMT (contact: S. Mao)

<https://www.tmt.org/>

<http://www.gmto.org/>

Topic 11: E-ELT (contact: S. Mao)

<https://www.eso.org/sci/facilities/eelt/>

https://en.wikipedia.org/wiki/Extremely_Large_Telescope#Comparison

Topic 12: WFIRST (contact: S. Mao)

<https://wfirst.gsfc.nasa.gov/>

https://en.wikipedia.org/wiki/Wide_Field_Infrared_Survey_Telescope

<https://www.skyandtelescope.com/astronomy-news/nasa-unveils-wfirst-next-decade-space-telescope-02222016/>

Topic 13: Spitzer (contact: S. Mao)

<http://www.spitzer.caltech.edu/>

https://www.nasa.gov/mission_pages/spitzer/main/index.html

https://en.wikipedia.org/wiki/Spitzer_Space_Telescope

Topic 14: WISE (contact: D. Xu)

https://www.nasa.gov/mission_pages/WISE/main/index.html

<https://neowise.ipac.caltech.edu/>

https://en.wikipedia.org/wiki/Wide-field_Infrared_Survey_Explorer

Topic 15: JWST (contact: S. Mao)

<https://www.jwst.nasa.gov/>

http://webbtelescope.org/article_section/science

https://en.wikipedia.org/wiki/James_Webb_Space_Telescope

Topic 16: Hubble (contact: D. Xu)

https://www.nasa.gov/mission_pages/hubble/main/index.html

https://en.wikipedia.org/wiki/Hubble_Space_Telescope

Topic 17: Hyper Suprime Cam (contact: D. Xu)

<http://naoj.org/Projects/HSC/index.html>

<http://hsc.mtk.nao.ac.jp/ssp/>

Topic 18: Prime Focus Spectrograph (contact: C. Li)

<http://pfs.ipmu.jp/>

<http://sumire.ipmu.jp/en/2652/>

Topic 19: Herschel: (contact: C. Li)

http://www.esa.int/Our_Activities/Space_Science/Herschel

<http://sci.esa.int/herschel/>

<https://www.herschel.caltech.edu/page/about>

Topic 20: Sofia (contact: S. Mao)

<https://www.sofia.usra.edu/>

https://www.nasa.gov/mission_pages/SOFIA/index.html

https://en.wikipedia.org/wiki/Stratospheric_Observatory_for_Infrared_Astronomy

Topic 21: Gaia (contact: S. Mao)

<http://sci.esa.int/gaia/>

http://www.esa.int/Our_Activities/Space_Science/Gaia_overview

[https://en.wikipedia.org/wiki/Gaia_\(spacecraft\)](https://en.wikipedia.org/wiki/Gaia_(spacecraft))

Topic 22: PAPER/21CMA/GMRT (Reionization science) (contact: Y. Mao)

<http://w.astro.berkeley.edu/~dbacker/eor/>

http://english.nao.cas.cn/Research2015/rp2015/201701/t20170120_173603.html

<http://www.gmrt.ncra.tifr.res.in/>

https://en.wikipedia.org/wiki/Giant_Metrewave_Radio_Telescope

Topic 23: HERA/SKA (Reionization science) (contact: Y. Mao)

<http://reionization.org/>

<https://www.skatelescope.org/>

<https://ska.gov.au/Pages/default.aspx>

https://en.wikipedia.org/wiki/Square_Kilometre_Array

Topic 24: Tianlai/CHIME/BINGO/HIRAX (contact: Y. Mao)

<http://tianlai.bao.ac.cn/>

<https://chime-experiment.ca/>

<http://www.bingotelescope.org/en/>

<https://arxiv.org/abs/1607.02059>

Topic 25: GMRT (radio science) (contact: J. Zhou)

<http://www.gmrt.ncra.tifr.res.in/>

https://en.wikipedia.org/wiki/Giant_Metrewave_Radio_Telescope

Topic 26: SKA (radio science) (contact: J. Zhou)

<https://www.skatelescope.org/>

<https://ska.gov.au/Pages/default.aspx>

https://en.wikipedia.org/wiki/Square_Kilometre_Array

Topic 27: COBE/WMAP (contact: J. Zhou; Y. Mao)

<https://science.nasa.gov/missions/cobe>

<https://map.gsfc.nasa.gov/>

Topic 28: Planck (contact: J. Zhou; Y. Mao)

http://www.esa.int/Our_Activities/Space_Science/Planck

<http://sci.esa.int/planck/>

<https://www.cosmos.esa.int/web/planck>

https://www.nasa.gov/mission_pages/planck

Topic 29: DESI (contact: X. Wang)

<http://desi.lbl.gov/>

https://en.wikipedia.org/wiki/Dark_Energy_Spectroscopic_Instrument

Topic 30: SDSS (contact: C. Li)

<http://www.sdss.org/>

https://en.wikipedia.org/wiki/Sloan_Digital_Sky_Survey

Topic 31: SDSS-V (contact: C. Li)

<http://www.sdss.org/future/>

http://adsabs.harvard.edu/cgi-bin/bib_query?arXiv:1711.03234

Topic 32: LAMOST (contact: S. Mao)

<http://www.lamost.org/public/?locale=zh>

<https://en.wikipedia.org/wiki/LAMOST>

Topic 33: PanSTARRS (contact: X. Wang)

<http://pswww.ifa.hawaii.edu/pswww/>

<https://panstarrs.stsci.edu/>

<https://en.wikipedia.org/wiki/Pan-STARRS>

Topic 34: Effelsberg, Green Bank and QTT (contact: D. Xu)

<https://www.mpifr-bonn.mpg.de/en/effelsberg>

<https://public.nrao.edu/telescopes/gbt/>

<http://greenbankobservatory.org/>

<http://qtt.xao.cas.cn/>

Topic 35: space VLBI with RadioAstron (contact: D. Xu)

<http://www.asc.rssi.ru/radioastron/>

<https://en.wikipedia.org/wiki/Spektr-R>

Topic 36: LHAASO (contact: W. Cui)

<http://www.ihep.cas.cn/lhaaso/>

<http://english.ihep.cas.cn/lhaaso/index.html>

Topic 37: HAWC (contact: W. Cui)

<https://www.hawc-observatory.org/>

https://en.wikipedia.org/wiki/High_Altitude_Water_Cherenkov_Experiment

Topic 38: Dawn (contact: X. Bai)

https://www.nasa.gov/mission_pages/dawn/main/index.html

[https://en.wikipedia.org/wiki/Dawn_\(spacecraft\)](https://en.wikipedia.org/wiki/Dawn_(spacecraft))

Topic 39: Cassini-Huygens (contact: X. Bai)

<https://saturn.jpl.nasa.gov/>

<https://solarsystem.nasa.gov/missions/cassini/overview/>

<https://en.wikipedia.org/wiki/Cassini-Huygens>

Topic 40: Rosetta (contact: X. Bai)

<http://sci.esa.int/rosetta/>

[https://en.wikipedia.org/wiki/Rosetta_\(spacecraft\)](https://en.wikipedia.org/wiki/Rosetta_(spacecraft))

Topic 41: Parker Solar Probe (contact: X. Bai)

<http://parkersolarprobe.jhuapl.edu/>

https://en.wikipedia.org/wiki/Parker_Solar_Probe

Topic 42: Cherenkov Telescope Array (contact: W. Cui)

<https://www.cta-observatory.org/>

https://en.wikipedia.org/wiki/Cherenkov_Telescope_Array

Topic 43: IXPE/eXTP (contact: H. Feng)

<http://www.isdc.unige.ch/extp/>

<https://wwwastro.msfc.nasa.gov/ixpe/about/index.html>