1 Programs/大會議程

1.1 Scientific Sessions/科學研討會 (Lecture Hall I/第一講堂)

1st June/六月一日 (星期五)

18:20- Check-in/Registraion (報到/註册)

18:30-20:00 Reception (Location: Roof Garden of 2nd Physics Building, NCKU)
歡迎茶會 (地點: 成大物理二館頂樓花園)

2nd June/六月二日 (星期六)

08:00- Check-in/Registraion (報到/註册)

09:00-09:30 Opening Remarks (大會開幕式)

09:30-10:36 Scientific Oral Session I (科學論文宣讀 I)

- 09:30-09:45 [SO-I-01] Nagayoshi Ohashi/ASIAA
  Current Status of the ALMA Project
- 09:45-10:00 [SO-I-02] Kinoshita Daisuke/Institute of Astronomy, NCU
  Lulin 2-m telescope project (1): Overview
- 10:00-10:12 [SO-I-03] Satoki Matsushita/ASIAA
  Multi-J, Multi-Isotope CO observations of Arp 220
- 10:12-10:24 [SO-I-04] Tsai, An-Li/Dept. of Earth Science, NTNU
  Characterestics of Molecular Outflow and Bubbles in the Starburst Galaxy NGC 2146
- 10:24-10:36 [SO-I-05] Yi-Jung Yang/ASIAA
  The Ultra-luminous X-Ray Sources Near the Center of M82

10:36-11:00 Break & Posters (茶敘及海報時間)

11:00-12:00 [Invited-A/大會邀請演講-A] Wing-Huen Ip/Institute of Astronomy, NCU
Astrobiolgy at the Saturnian System

12:00-14:00 Lunch & Posters (午餐及海報時間)

14:00-15:00 [Invited-B/大會邀請演講-B] Sun Kwok/University of Hong Kong
Extraterrestrial Influence on the Evolution of the Early Earth

15:00-15:30 General Assembly (會員大會)

15:30-16:00 Break & Posters (茶敘及海報時間)

16:00-17:48 Scientific Oral Session II (科學論文宣讀 II)

- 16:00-16:12 [SO-II-01] Dinh Van Trung/ASIAA
  Probing Rotating Disks around Herbig Ae/Be Stars
- 16:12-16:24 [SO-II-02] Satoko Takahashi/ASIAA
  A Survey of Large-Scale Molecular Outflows Associated with Intermediate-Mass Protostellar Candidates
- 16:24-16:36 [SO-II-03] Su, Yu-Nung/ASIAA
  High-Velocity Outflowing Gas toward Luminous Young Stellar Object IRAS 20126+4104
- 16:36-16:48 [SO-II-04] Jennifer Karr/ASIAA
  Star Formation in the Centaurus Arm

(continued next page...)

16:48-17:00 [SO-II-05] Kaushar Sanchawala/Institute of Astronomy, NCU
Near-infrared Study of the Carina Nebula

17:00-17:12 [SO-II-06] Anli K. Pandey/Institute of Astronomy, NCU
Star Formation in Young Open Star Clusters

17:12-17:24 [SO-II-07] Kazutaka Motoyama/TIARA
Sequentially Triggered Star Formations at the Periphery of HII Regions

17:24-17:36 [SO-II-08] Hui-Chen Chen/Institute of Astronomy, NCU
Survivability of Open Clusters in a Dispersing Molecular Cloud

17:36-17:48 [SO-II-09] Chang, Chan-Kao/Institute of Astronomy, NCU
Information from 2MASS Star Count

18:00- 4th ALMA Town Meeting (第四屆 ALMA 城鎮會議)

3rd June (Sunday)/六月三日 (星期日)

09:00-10:24 Scientific Oral Session III (科學論文宣讀 III)

09:00-09:12 [SO-III-01] Hui-Chun Huang/Dept. of Earth Science, NTNU
Methyl Cyanide Submillimeter Imaging of the Low-Mass Protobinary System IRAS 16293-2422

09:12-09:24 [SO-III-02] Huei-Ru Chen/Institute of Astronomy, NTHU
654 GHz Continuum and $C^{18}O$ (6-5) Observations of G240.31+0.07 with the SMA

09:24-09:36 [SO-III-03] Chin-Fei Lee/ASIAA
HH 212: SMA Observations of a Remarkable Protostellar Jet

09:36-09:48 [SO-III-04] Xi Chen/Dept. of Earth Science, NTNU
VLBI Studies of SiO Masers around VX Sagittarii

09:48-10:00 [SO-III-05] Simon Campbell/ASIAA
Yields from Low-Mass Population III and Extremely Metal Poor Stellar Models

10:00-10:12 [SO-III-06] Soumen Mondal/Institute of Astronomy, NCU
Methane Imaging to Characterize the Substellar Population in IC 348

10:12-10:24 [SO-III-07] Chi-Long Lin/National Museum of Natural Science
A Close Binary Discovered from Its Occultation by (87) Sylvia

10:24-10:45 Break & Posters (茶敘及海報時間)

10:45-11:00 Best Poster Awards with Presentations (頒發壁報最佳論文獎及報告時間)

11:00-12:00 Scientific Oral Session IV (科學論文宣讀 IV)

11:00-11:12 [SO-IV-01] Miljenko Cemeljic/TIARA, ASIAA
Resistive MHD Test for JETSET Code Benchmarks

11:12-11:24 [SO-IV-02] Lupin Chun-Che Lin/Dept. of Physics, NTHU
Periodicity Search of Possible Counterparts to Unidentified EGRET Sources

(continued next page...)

11:24-11:36 [SO-IV-03] Jumpei Takata/TIARA-ASIAA, NTHU
Particle Acceleration and Non-thermal Emission in the Crab-like Pulsars

11:36-11:48 [SO-IV-04] Hirotani, Kouichi/TIARA-ASIAA, NTHU
High-energy Emission from Pulsar Magnetospheres

11:48-12:00 [SO-IV-05] Sergey Bastrukov/Dept. of Phys. and IoA, NTHU
Quake-induced Torsional MHD Oscillations of Gamma-bursting Magnetars

12:00- Free Tours (Tainan Astronomical Education Area/NCKU Museum)
(臺南縣天文教育園區或成大博物館導覽)

1.2 Educational Sessions/教育研討會 (Lecture Hall II/第二講堂)

1st June/六月一日 (星期五)

18:20- 報到/註册 (地點: 成大物理二館頂樓花園)
Check-in/Registration (Location: Roof Garden of 2nd Physics Building, NCKU)

18:30-20:00 歡迎茶會 (自由參加) (地點: 成大物理二館頂樓花園)
Reception (Location: Roof Garden of 2nd Physics Building, NCKU)

2nd June/六月二日 (星期六)

08:00- 報到/註册
Check-in/Registration

09:00-09:30 年會開幕式 (地點: 醫學院第一講堂)
Opening Remarks (Location: Lecture Hall I, Medical College)

09:30-10:10 [EO–01] 鄭文光 老師/高雄市港和國小
港和國小天文特色課程的過去、現在與未來

10:10-10:50 [EO–02] 王寶勛 老師/臺北市民權國小
讓星星亮起來 — 國小天文教育現況與可行方案

10:50-11:10 中場休息, 觀看海報
Break & Posters

11:10-11:50 [EO–03] 黃于玲 老師/臺北市南湖國小
天文飛行教室 — 南湖國小天文教學與教材發展經驗談

11:50-14:00 午餐休息, 觀看海報
Lunch & Posters

14:00-15:00 [大會邀請演講-B] 郭新 教授/香港大學 (地點: 醫學院第一講堂)
[Invited-B] Sun Kwok/University of Hong Kong
(Location: Lecture Hall I, Medical College)
Extraterrestrial Influence on the Evolution of the Early Earth

15:00-15:30 會員大會 (地點: 醫學院第一講堂)
Genaral Assembly (Location: Lecture Hall I, Medical College)

(continued next page...)

15:30-16:00 中場休息, 觀看海報
Break & Posters

16:00-16:40 [EO–04] 黃傳俊 老師/嘉義市蘭潭國小
More Than Astronomy **天馬行空魔法師**

16:40-17:20 [EO–05] 王世傑 老師/台南師院實小

17:20-17:30 綜合座談
Round Table

3rd June/六月三日 (星期日)

09:00-12:00 自由參加科學研討會 (詳見科學研討會議程)
Scientific Session (Please refer to the program of Scientific Session)

12:00- 臺南縣天文教育園區或成大博物館導覽
Tour (Tainan Astronomical Education Area/NCKU Museum)

2 Venues/會議地點

- Reception/歡迎茶會: Physics Building II, NCKU/成功大學物理二館
- Main Venue/主會議場地: Medical College of NCKU/成功大學醫學院
  - ▷ Lecture Hall I/第一講堂 (Invited Talks, Scientific Sessions, ALMA Town Meeting/大會邀請演講、科學研討會、ALMA 城鎮會議)
  - ▷ Lecture Hall II/第二講堂 (Educational Sessions/教育研討會)
  - ▷ Corridor outside the Lecture Halls/講堂外走廊 (Poster Exhibition/海報展示)

3 Presentation List/論文宣讀及壁報清單

3.1 Scientific Oral Presentations/科學論文宣讀

[SO-I-01] Nagayoshi Ohashi/ASIAA
Current Status of the ALMA Project

[SO-I-02] Kinoshita Daisuke/Institute of Astronomy, NCU
Lulin 2-m telescope project (1): Overview

[SO-I-03] Satoki Matsushita/ASIAA
Multi-J, Multi-Isotope CO observations of Arp 220

[SO-I-04] Tsai, An-Li/Dept. of Earth Science, NTNU
Characterestics of molecular outflow and bubbles in the starburst galaxy NGC 2146

[SO-I-05] Yi-Jung Yang/ASIAA
The Ultra-luminous X-Ray Sources Near the Center of M82

[SO-II-01] Dinh Van Trung/ASIAA
Probing Rotating Disks around Herbig Ae/Be Stars

[SO-II-02] Satoko Takahashi/ASIAA
A Survey of Large-Scale Molecular Outflows Associated with Intermediate-Mass Protostellar Candidates

[SO-II-03] Su, Yu-Nung/ASIAA
High-Velocity Outflowing Gas toward Luminous Young Stellar Object IRAS 20126+4104

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Star Formation in the Centaurus Arm

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Near-infrared Study of the Carina Nebula

[SO-II-06] Anli K. Pandey/Institute of Astronomy, NCU
Star Formation in Young Open Star Clusters

[SO-II-07] Kazutaka Motoyama/TIARA
Sequentially Triggered Star Formations at the Periphery of HII Regions

[SO-II-08] Hui-Chen Chen/Institute of Astronomy, NCU
Survivability of Open Clusters in a Dispersing Molecular Cloud

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Information from 2MASS Star Count

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[SO-III-07] Chi-Long Lin/National Museum of Natural Science
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[SO-IV-01] Miljenko Cemeljic/TIARA, ASIAA
Resistive MHD Test for JETSET Code Benchmarks

[SO-IV-02] Lupin Chun-Che Lin/Dept. of Physics, NTHU
Periodicity Search of Possible Counterparts to Unidentified EGRET Sources

[SO-IV-03] Jumpei Takata/TIARA-ASIAA, NTHU
Particle Acceleration and Non-thermal Emission in the Crab-like Pulsars

[SO-IV-04] Hirotani, Kouichi/TIARA-ASIAA, NTHU
High-energy Emission from Pulsar Magnetospheres

[SO-IV-05] Sergey Bastrukov/Dept. of Phys. and IoA, NTHU
Quake-induced Torsional MHD Oscillations of Gamma-bursting Magnetars

(PS: List first author only...)

3.2 Poster Exhibition/壁報論文展示

[P–001] H.-C. Lin (林宏欽)/Institute of Astronomy, NCU
Current Status of the Lulin Observatory

[P–002] Chen, W.P./Institute of Astronomy, NCU
Instrumentation Plan for the Lulin Two-Meter Telescope

[P–003] Chou, Y./Institute of Astronomy, NCU
Science Programs for the 2-m Telescope at Lulin Observatory

[P–004] Ming-Hsin Chang/Institute of Astronomy, NCU
Site Construction for Two-Meter Telescope in Lulin

[P–005] Y.H. Lee/Institute of Astronomy, NCU
Multi-band Observations of GRB 051021 — a Possible Dark GRB

[P–006] K. Y. Huang/Institute of Astronomy, NCU
Multicolor Shallow Decay and Chromatic Breaks in the GRB 050319 Optical Afterglow

[P–007] Ting-Wan Chen (陳婷琬)/Institute of Astronomy, NCU
Photometry of the Peculiar Nearby Supernova SN 2006jc with Lulin Observatory

[P–008] S.F. Yen (顏聖峰)/Institute of Astronomy, NCU
Gravitational Lensing Data in MOND

[P–009] (羅英奕)Y. Y. Lo/Institute of Astronomy, NCU
Cosmic Ray and Waves Driven Instability

[P–010] Wu, S.Y/ASIAA
Searching for Dust in the Intracluster Medium

[P–011] Wang Pin-Wei (王斌威)/Dept. of Earth Science, NTNU
Where Are Supermassive Black Hole Binary Systems?

[P–012] Jhen-Kuei Guo/Institute of Astronomy, NCU
Warm Molecular Hydrogen Gas in Ultraluminous Infrared Galaxies

(continued next page...)

[P–013] H.L. Yao (姚漢林)/Dept. of Earth Science, NTNU
Environmental Effects on the Evolution of X-ray Sources in Chandra Deep Field South

[P–014] Mengchun Tsai/Institute of Astronomy, NCU
Submillimeter Array CO (J=3-2) Observations of NGC 1068

[P–015] Ming-Yen Chang/Institute of Astronomy, NCU
Merging Galaxies in RCS2

[P–016] Y. H. Shih (施逸昕)/Institute of Astronomy, NCU
Near-Infrared Polarimetric Imaging of the Giant HII Region NGC3576

[P–017] Hui-Chen Chen/Institute of Astronomy, NCU
The PDMF in the Central Region of the Arches Cluster

[P–018] Ting-Hung Peng (彭定弘)/Institute of Astronomy, NCU
Global Star Count Function of 2MASS

[P–019] Kuo-Pin Huang/Institute of Astronomy, NCU
Search for Counterparts of High-Mass X-ray Binaries at Near Infrared

[P–020] P. Cheng(鄭寶玲)/Institute of Astronomy, NCU
Energy-Dependence Pulse Arrival Times of Accretion-Powered Millisecond Pulsar XTE J0929-314

[P–021] Y. Chung (鍾怡音)/Institute of Astronomy, NCU
Fine Orbital Parameters and Energy Dependent Phase Lags of Accretion Powered Millisecond Pulsar XTE J1814-338

[P–022] T.J. Li/Institute of Astronomy, NCU
Energy-dependent Pulse Arrival Time for the Accretion-powered Millisecond Pulsar SAX J1808.4-3658 in Its 2002 Outburst

[P–023] Kuan-Ju Fu (傅冠儒)/Institute of Astronomy, NCU
Searching for Open Clusters in the Milky Way Disk

[P–024] Mei-Yan Wang/ASIAA
A Molecular Bipolar Flow in the Multipolar Planetary Nebula NGC 2440

[P–025] Jin-Hua Shen (沈景華)/Dept. of Earth Science, NTNU
Multi-Sample Spectral-Line Survey of Three Evolved Stars at Millimeter-wave

[P–026] Sun Kwok/Dept. of Physics, HKU
Multiple Coaxial Rings in the Bipolar Nebula Hubble 12

[P–027] Chien-De Lee (李建德)/Institute of Astronomy, NCU
Be 星球的紅外超量與環星塵埃的分布及形成

[P–028] Li, Yu-Ting/Institute of Astronomy, NTHU
Submillimeter Observations of the Massive Star Forming Region W3(H_2O)

[P–029] Shih-Hao Lan (藍仕豪)/Institute of Astronomy, NTHU
The Infall Motions toward the W3(OH) Massive Star-Forming Region Traced by HCO^+

[P–030] Mao-Chen Chao/Institute of Astronomy, NTHU
Molecular Line Emission in W75N

[P–031] Yi-Jung Yang/ASIAA
The Effect of Star Formation on High Redshift Absorption Systems in AMR Simulations of Galaxy Formation

[P–032] Ya-Ting Jhang/Institute of Astronomy, NCU
Young Stars in the Lupus 3 Molecular Cloud

(continued next page...)

[P–033] Fang-Chun Liu (劉芳君)/ASIAA
Two Extreme Young Protostars: B1-bN & B1-bS

[P–034] I-Chenn Chen/Institute of Astronomy, NCU
A Study of Star Formation of the Near-by Galaxies, M51, M83, M101

[P–035] Ya-Wen Tang/ASIAA
SMA Dust Polarization Image on the UCH II Region G5.89-0.39

[P–036] Yu-Sen Hsu (許育森)/Dept. of Earth Science, NTNU
Oxygen-bearing Molecules in the Orion KL Hot Molecular Core

[P–037] Kuo-Song Wang (王國松)/ASIAA
Probing Organic Chemistry in Orion KL with the SMA

[P–038] Eric Chung/ASIAA
SPARX: Simulation Platform for Astrophysical Radiative Xfer

[P–039] Chia-Hsien Liao (廖家賢)/Institute of Astronomy, NCU
Fractal Analysis of Solar Active Regions

[P–040] Yi-Cheng Yen/Dept. of Earth Science, NTNU
Speckle Observation of Close Binary Stars

[P–041] Li-An Yu/NTNU
Magnetic Energy Transport and Dissipation between a Hot Jupiter and Its Host Star

[P–042] Han-Chou Chen (陳漢洲)/台北市立麗山高級中學
Photometry of Two Known Transiting Exoplanets HD 189733 b and HD 209458 b

[P–043] Z.Y. Lin (林忠義)/Institute of Astronomy, NCU
Activity and Morphology of Comet 73P/Schwassmann-Wachmann 3 Close to Its Closest Approach to the Earth

[P–044] En-Chuan Huang (黃恩泉)/Dept. of Physics, NTU
Organic Molecules in Comet 73P/Schwassmann-Wachmann 3

[P–045] Hsin-Jen Hsu (許歆仁)/Institute of Astronomy, NCU
A Statistical Study of Color Variations of KBOs

[P–046] Chien-Cheng Lin/Institute of Astronomy, NCU
Searching for New Variable Stars in the TAOS Data

[P–047] Zhang, Zhi-Wei (張智威)/Institute of Astronomy, NCU
Statistical Assessment of Data Quality on the TAOS Project

[P–048] Sun-Kun King/ASIAA
Similarity of the TNO Shadows and Distance Estimate in an Occultation Survey

[P–049] Tseng, Wei-Ling/Institute of Astronomy, NCU
Charge Exchange and Ion Chemistry in the Gas Coma of Enceladus

[P–050] I-Ling Lin/Institute of Space Science, NCU
Distributions of Atmospheric Molecules on the Surface of the Saturnian Moon, Iapetus

[P–051] Jeng-Jong Jian/Institute of Astronomy, NCU
The Spatial Distribution and Seasonal Evolution of Cryptic Region

[P–052] Yung-Ching Wang/Institute of Astronomy, NCU
The Sodium Exosphere and Extended Coma of Mercury

(continued next page...)

[P–053] Wen-Shan Hsiao/Institute of Astronomy, NCU
Orbital Element Determination of Artificial Satellites from Observations

(PS: List first author only...)

3.3 Educational Oral Presentations/教育研討會報告

[EO-01] 鄭文光/高雄市港和國民小學
港和國小天文特色教育的過去、現在與未來

[EO-02] 王寶勛/臺北市松山區民權國小
讓星星亮起來 — 國小天文教育現況與可行方案

[EO-03] 黃于玲/臺北市南湖國小
天文飛行教室 ～ 南湖國小天文教學與教材發展經驗談

[EO-04] 黃傳俊/嘉義市蘭潭國小
More than astronomy 天馬行空魔法師

[EO-05] 王世傑/台南師院實小
TBD