

Min-Kai Lin

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EMPLOYMENT

Academia Sinica Institute of Astronomy and Astrophysics

Associate Research Fellow (tenured) 2021—

Assistant Research Fellow 2016—2021

National Center for Theoretical Sciences

Center Scientist and Coordinator, Theoretical and Computational Astrophysics 2021—

University of Arizona

Steward Theory Fellow 2014—2016

Canadian Institute for Theoretical Astrophysics

Postdoctoral Fellow 2011—2014

EDUCATION

University of Cambridge

PhD, Theoretical Astrophysics 2011

BA and MSci, Natural Sciences: Astrophysics (First Class honors) 2008

AWARDS

- Outstanding Research Award, NSTC 2024
- Early-Career Investigator Research Award, Academia Sinica 2023
- Young Scholars' Creativity Award, Fdn. for the Adv. of Outstanding Scholarship 2022
- Young Theoretical Scholar Award, National Center for Theoretical Sciences 2021
- Outstanding Young Physicist, The Physical Society of Taiwan 2020
- Academic Sinica Career Development Award 2020
- Academic Sinica Initial Employment Academic Research Award 2016
- Steward Observatory Prize Fellowship in Theoretical and Computational Astrophysics 2014
- CITA Postdoctoral Fellowship 2011
- Smith Rayleigh Knight Prize 2010
- Fellow of the Cambridge Overseas Society 2008
- St. John's College Benefactors' Scholarship 2008
- Isaac Newton Studentship 2008
- Overseas Research Scholarship 2008
- Institute of Astronomy Prize (top of class) 2008
- JS Wilson Prize for Natural Sciences 2006, 2007, 2008
- College Awarded Bursary 2007
- Skerne Scholarship 2005, 2006, 2007, 2008
- College Book Prize for Academic Distinction 2005, 2006, 2007, 2008

GRANTS AS PI

NSTC

- *Threading local and global planet formation with magnetic fields*
Nos. 113-2811-M-001-032-

Regular Research Project

2024—2027

NSTC

- *Finding hidden planets in empty gaps and big data* (USD 116K)
Nos. 110-2112-M-001-034-, 111-2112-M-001-062-, 112-2112-M-001-064-

Regular Research Project

2021—2024

Academia Sinica

- *How are planets made in windy, turbulent disks?* (USD 620K)
No. AS-CDA-110-M06

Career Development Award

2021—2025

MOST

- *From dust and gas to planet formation and evolution* (USD 154K)
No. 107-2112-M-001-043-MY3

Research Project for Newly-recruited Personnel

2018—2022

NASA

- *Hydrodynamic processes in planet-forming accretion disks* (USD 300K)
No. NNX17AK59G

Astrophysics Theory Program

2017—2020

SUPERVISION AND TEACHING

ASIAA

Postdocs

- Ramiz Aktar 2025—
- Yuya Fukuhara (Fellowship) 2025—
- Jiaqing Bi (Fellowship) 2023—2025
- Jeremy Smallwood (Fellowship) 2022—2024
- Michael Hammer 2021—2025
- Marius Lehmann 2020—2025
- Alex Teachey (Fellowship) 2020—2025
- Sayantan Auddy 2018—2020

Graduate students

- Shiang-Chih Wang (co-supervised with Prof. Ing-Guey Jiang) 2022—
- Wei-Shan Su (co-supervised with Prof. Chia-Yu Hu) 2024—

Research assistants

- Chun-Yen Hsu 2020—2022

Undergraduate summer student program

- Patrick Whitman 2024
- Yinhao Wu 2022
- Jiaqing Bi 2019
- Simin Tong 2019
- Kan Chen 2017
- Jhih-Wei Chen 2017

University of Arizona

Graduate research

- Michael Hammer (supervisor: Prof. Kaitlin Kratter) 2015—2021

CITA

Undergraduate summer student program

- Robert Les 2014
- Ryan Cloutier 2012

University of Cambridge

Undergraduate supervision

- Part II NST Astrophysical Fluid Dynamics 2011
- Part IA NST Mathematics 2008—2011

PROFESSIONAL MEMBERSHIP

- International Astronomical Union, [URL here](#) 2018—
- The Astronomical Society of the Republic of China (Taiwan) 2018—
- The Physical Society of Taiwan 2020—

ACADEMIC SERVICES

Referee for: Nature Astronomy, The Astrophysical Journal, Astronomy & Astrophysics, Monthly Notices of the Royal Astronomical Society, Publications of the Astronomical Society of Japan, Icarus, Astrophysics and Space Science, Geophysical & Astrophysical Fluid Dynamics, Research in Astronomy and Astrophysics

MOST proposal reviewer 2018—
Panelist, NASA proposal panel 2015, 2016
External reviewer, NASA proposal panel 2022

Chair, ASIAA Computing Committee 2022—
Chair, ASIAA Summer Student Program Committee 2021—2022
Chair, ASIAA Theory Group HPC Committee 2019—2022
Chair, ASIAA Colloquium Committee 2017—2018

Chair, NCTS Annual Theory Meeting Dec. 2022
SOC, Vertical Shear Instability Workshop (online) Nov. 2022
Chair, NCTS-ASIAA Workshop: Star, Planets, and Formosa Aug. 2022
LOC/SOC, NCTS Annual Theory Meeting Dec. 2021

LOC, TIARA Summer School on Origins of the Solar System Jul. 2018
LOC, Taiwanese Theoretical Astrophysics Workshop Sep. 2018
LOC, EANAM 8 Oct. 2018
LOC, TIARA/CHARMS Mini-Workshop on Disks in the Protoplanetary Systems Jul. 2017

PUBLICATIONS

[†]student or assistant

Submitted:

1. *Convective Overstability in radially global protoplanetary disks. II. Impact on planetesimal formation*
Lehmann, M., **Lin, M.-K.**, ApJ 2025
2. *DPNNet-3.0: Identifying hidden planets and estimating their masses from protoplanetary disks images using Convolutional Neural Networks*
Paharaj, S., Auddy, A., Turner, N., Dey, R., **Lin, M.-K.**, ApJ 2025
3. *An MHD-based model for wind-driven disc-planet interactions*
Hammer, M., **Lin, M.-K.**, MNRAS 2025

Refereed:

55. *Dust dynamics in radially convective regions of protoplanetary disks*
Lin, M.-K., Lehmann, M., ApJ, 980, 94 2025
54. *Rossby Wave Instability in weakly ionized protoplanetary disks. I. azimuthal or vertical B-fields*
Cui, C., Tripathi, A., Yu, C., **Lin, M.-K.**, Youdin, A., MNRAS, 537, 1973 2025
53. *Observational signatures of dust traffic jams in polar-aligning circumbinary disks*
Smallwood, J. L., Nealon, R., Yen, H.-W., Pinte, C., Longarini, C.,
Aly, H., **Lin, M.-K.**, ApJL, 976, L23 2024
52. *Streaming instabilities in accreting protoplanetary disks: A parameter study*
[†]Wang, S.-C., **Lin, M.-K.**, ApJ, 976, 157 2024

51. *Polar alignment of a dusty circumbinary disc – II. Application to 99 Herculis*
Smallwood, J. L., **Lin, M.-K.**, Nealon, R., Aly, H., Longarini, C., MNRAS, 534, 4018 2024
50. *Rossby Wave Instability and substructure formation in 3D non-ideal MHD wind-launching disks*
Hsu, C.-Y., Li, Z.-Y., Tu, Y., Hu, X., **Lin, M.-K.**, MNRAS, 533, 2980 2024
49. *Shoulder of dust rings formed by planet-disk interactions*
Bi, J., **Lin, M.-K.**, ApJ, 971, 76 2024
48. *Polar alignment of a dusty circumbinary disc – I. Dust ring formation*
Smallwood, J. L., **Lin, M.-K.**, Aly, H., Nealon, R., Longarini, C., MNRAS, 532, 1068 2024
47. *Convective overstability in radially global protoplanetary disks I - Pure gas dynamics*
Lehmann, M., **Lin, M.-K.**, ApJ, 970, 15 2024
46. *Dust dynamics in Hall-affected protoplanetary disks. I. Background Drift Hall Instability*
†Wu, Y., **Lin, M.-K.**, Cui, C., Krapp, L., Lee, Y.-N., Youdin, A.N., ApJ, 962, 173 2024
45. *Filament formation due to diffusive instabilities in dusty protoplanetary disks*
Gerbic, K., **Lin, M.-K.**, Lehmann, M., ApJ, 961, 183 2024
44. *How to form compact and longer-lived planet-induced vortices: VSI, planet migration, or re-triggers, but not feedback*
Hammer, M., **Lin, M.-K.**, MNRAS, 525, 123 2023
43. *Distinguishing magnetized disc winds from turbulent viscosity through substructure morphology in planet-forming discs*
Wu, Y., Chen, Y.-X., Jiang, H., Dong, R., Macias, E., **Lin, M.-K.**, Rosotti, G.P., Elbakyan, V., MNRAS, 523, 2630 2023
42. *Hydro-, magnetohydro-, and dust-gas dynamics of protoplanetary disks*
Lesur, G., Flock, M., Ercolano, B., **Lin, M.-K.**, Yang, C.-C., Barranco, J. A., Benitez-Llambay, P., Goodman, J., Johansen, A., Klahr, H., Laibe, G., Lyra, W., Marcus, P., Nelson, R.P., Squire, J., Simon, J.B., Turner, N., Umurhan, O.M., Youdin, A.N., Protostars and Planets VII, ASP Conference Series, 534, 465 2023
41. *Instabilities in dusty non-isothermal protoplanetary discs*
Lehmann, M., **Lin, M.-K.**, MNRAS, 522, 5892 2023
40. *Gap-opening planets make dust rings wider*
Bi, J., **Lin, M.-K.**, Dong, R., ApJ, 942, 80 2023
39. *Nonlinear evolution of streaming instabilities in accreting protoplanetary disks*
†Hsu, C.-Y., **Lin, M.-K.**, ApJ, 937, 55 2022
38. *Using Bayesian Deep Learning to infer planet mass from gaps in protoplanetary disks*
Auddy, S., Dey, R., **Lin, M.-K.**, Carrera, D., Simon, J.B., ApJ, 936, 93 2022
37. *Revealing the drag instability in the one-fluid non-ideal MHD simulations of a 1D isothermal C-shock*
Gu, P.-G., Chen, C.-C., Shen, E., Yen, C.-C., **Lin, M.-K.**, ApJ, 935, 95 2022
36. *Impact of local pressure enhancements on dust concentration in turbulent protoplanetary discs*
Lehmann, M., **Lin, M.-K.**, A&A, 658, A156 2022
35. *Streaming instabilities in accreting and magnetized laminar protoplanetary disks*
Lin, M.-K., †Hsu, C.-Y., ApJ, 926, 14 2022
34. *DPNNet-2.0 Part I: Finding hidden planets from simulated images of protoplanetary disk gaps*
Auddy, S., Dey, R., **Lin, M.-K.**, Hall, C., ApJ, 920, 3 2021

33. *On the vertical shear instability in magnetized protoplanetary disks*
Cui, C., **Lin, M.-K.**, MNRAS, 505, 2983 2021
32. *Which planets trigger longer-lived vortices: low-mass or high-mass?*
Hammer, M., **Lin, M.-K.**, Kratter, K.M., Pinilla, P., MNRAS, 504 3963 2021
31. *Puffed up edges of planet-opened gaps in protoplanetary disks I. Hydrodynamic simulations*
†Bi, J., **Lin, M.-K.**, Dong, R., ApJ, 912, 107 2021
30. *Stratified and vertically shearing streaming instabilities in protoplanetary disks*
Lin, M.-K., ApJ, 907, 64 2021
29. *A Machine Learning model to infer planet masses from gaps observed in protoplanetary disks*
Auddy, S., **Lin, M.-K.**, ApJ, 900, 62 2020
28. *Migrating low-mass planets in inviscid dusty protoplanetary discs*
Hsieh, H.-F., **Lin, M.-K.**, MNRAS, 497, 2425 2020
27. *How efficient is the streaming instability in viscous protoplanetary disks?*
†Chen, K., **Lin, M.-K.**, ApJ, 891, 132 2020
26. *Vortex instabilities triggered by low-mass planets in pebble-rich, inviscid protoplanetary discs*
Pierens, A., **Lin, M.-K.**, Raymond, S., MNRAS, 488, 645 2019
25. *Dust settling against hydrodynamic turbulence in protoplanetary discs*
Lin, M.-K., MNRAS, 485, 5221 2019
24. *Observational diagnostics of elongated planet-induced vortices with realistic planet formation timescales*
Hammer, M., Pinilla, P., Kratter, K., **Lin, M.-K.**, MNRAS, 482, 3609 2019
23. *On the evolution of vortices in massive protoplanetary discs*
Pierens, A., **Lin, M.-K.**, MNRAS, 479, 4878 2018
22. *Dusty disc-planet interaction with dust-free simulations*
†Chen, J.-W., **Lin, M.-K.**, MNRAS, 478, 2737 2018
21. *Vortex survival in 3D self-gravitating accretion discs*
Lin, M.-K., Pierens, A., MNRAS, 478, 575 2018
20. *A thermodynamic view of dusty protoplanetary disks*
Lin, M.-K., Youdin, A.N., ApJ, 849, 129 2017
19. *Slowly-growing gap-opening planets trigger weaker vortices*
Hammer, M., Kratter, K.M., **Lin, M.-K.**, MNRAS, 466, 3 2017
18. *On the gravitational stability of gravito-turbulent accretion disks*
Lin, M.-K., Kratter, K.M., ApJ, 824, 91 2016
17. *Cooling requirements for the vertical shear instability in protoplanetary disks*
Lin, M.-K., Youdin, A.N., ApJ, 811, 17 2015
16. *Gap formation and stability in non-isothermal protoplanetary discs*
†Les, R., **Lin, M.-K.**, MNRAS, 450, 1503 2015
15. *One-armed spirals in locally isothermal, radially structured self-gravitating discs*
Lin, M.-K., MNRAS, 448, 3806 2015
14. *Linear stability of magnetized massive protoplanetary disks*
Lin, M.-K., ApJ, 790, 13 2014
13. *Testing large-scale vortex formation against viscous layers in three-dimensional discs*
Lin, M.-K., MNRAS, 437, 575 2014

12. *Steady state of dust distributions in disk vortices: observational predictions and applications to transitional disks*
Lyra, W., **Lin, M.-K.**, ApJ, 775, 17 2013
11. *Orbital migration of giant planets induced by gravitationally unstable gaps: the effect of planet mass*
†Cloutier, R., **Lin, M.-K.**, MNRAS, 434, 621 2013
10. *Non-barotropic linear Rossby wave instability in three-dimensional disks*
Lin, M.-K., ApJ, 765, 84 2013
9. *Effects of upper disc boundary conditions on the linear Rossby wave instability*
Lin, M.-K., MNRAS, 428, 19 2013
8. *Vortex and spiral instabilities at gap edges in three-dimensional self-gravitating disc-satellite simulations*
Lin, M.-K., MNRAS, 426, 3211 2012
7. *Rossby wave instability in locally isothermal and polytropic disks: three-dimensional linear calculations*
Lin, M.-K., ApJ, 754, 21 2012
6. *Outward migration of a giant planet with a gravitationally unstable gap edge*
Lin, M.-K., Papaloizou, J.C.B., MNRAS, 421, 780 2012
5. *Spin-down of protostars through gravitational torques*
Lin, M.-K., Krumholz, M. R., Kratter, K. M., MNRAS, 416, 580 2011
4. *Edge modes in self-gravitating disc-planet interactions*
Lin, M.-K., Papaloizou, J.C.B, MNRAS, 415, 1445 2011
3. *The effect of self-gravity on vortex instabilities in disc-planet interactions*
Lin, M.-K., Papaloizou, J.C.B, MNRAS, 415, 1426 2011
2. *Type III migration in a low viscosity disc*
Lin M.-K., Papaloizou, J.C.B, MNRAS, 405, 1473 2010
1. *Three-layer magnetoconvection*
Lin, M.-K., Silvers, L. J., Proctor, M.R.E., Physics Letters A, 373, 69 2008

Conference proceedings:

4. *Insights into the Streaming Instability in Protoplanetary Disks*
Youdin, A.N., **Lin, M.-K.**, Li, R., AAS -DPS meeting 49, #500.06 2017
3. *Vertical shear instability in the solar nebula*
Lin, M.-K., Youdin, A.N., IAUS 314 proceedings 2016
2. *Gravitational instability of planetary gaps and its effect on orbital migration*
Lin, M.-K., *Cloutier, R., IAUS 299 proceedings 2014
1. *Instabilities at planetary gap edges in 3D self-gravitating disks*
Lin, M.-K., Instabilities and Structures in Proto-Planetary Disks, Marseille, France, EPJ Web of Conferences, 46, id.07001 2013

Outreach:

2. *Exoplanet science: a new era of astronomy (Chinese)*
Lin, M.-K., Physics Bimonthly 2020
1. *Planet Formation: From Small Particles to Big Planets*
Lin, M.-K., Taiwan Research Highlight 2019

PRESENTATIONS

Keynote talk, Pebbles in Planet Formation, Tokyo, Japan	<i>Feb. 2025</i>
Invited talk, The Excellent Adventures of Steve Balbus in Space, Oxford, UK	<i>Jul. 2024</i>
Invited talk, Committee of Space Research, Busan, South Korea	<i>Jul. 2024</i>
Invited talk, Asia Oceania Geosciences Society, Pyeongchang, South Korea	<i>Jun. 2024</i>
Astronomy Society of the Republic of China, NCUE, Taiwan	<i>May 2024</i>
Extreme Solar Systems V, Christchurch, New Zealand	<i>Mar. 2024</i>
Annual Meeting of the Taiwan Physical Society, NCU, Taiwan	<i>Jan. 2024</i>
Invited talk, Exoplanets and Planet Formation Workshop, China	<i>Dec. 2023</i>
TCAN Meeting, USA/Online	<i>Nov. 2023</i>
Invited talk, From Disks to Planets, Taiwan	<i>Oct. 2023</i>
Seminar, Laboratoire d'Astrophysique de Bordeaux, France	<i>Sept. 2023</i>
Invited talk, TWSIAM Annual Meeting, Taiwan	<i>May 2023</i>
Colloquium (Physics), NYCU, Taiwan	<i>May 2023</i>
Protostars and Planets VII, Japan	<i>Apr. 2023</i>
Seminar (online), University of Leicester, UK	<i>Feb. 2023</i>
Invited review, Vertical Shear Instability Meeting (online), Denmark	<i>Nov. 2022</i>
Colloquium (Applied Math.), NYCU, Taiwan	<i>Nov. 2022</i>
Invite talk, 6th Asia-Pacific Conference on Plasma Physics (online)	<i>Oct. 2022</i>
East Asian Numerical Astrophysics Meeting 9 (online), Japan	<i>Sept. 2022</i>
Seminar, Queen Mary University of London, UK	<i>Sept. 2022</i>
Planet and binary formation in grav. unstable pp. discs, UK	<i>Sept. 2022</i>
Colloquium, ASIAA, Taiwan	<i>Aug. 2022</i>
Invited talk, Sci. workshop for synergy of Subaru/SCEXAO and ALMA (online), Japan	<i>Jul. 2022</i>
Planets in the Desert - A Streaming Instability Code Comparison (online), USA	<i>Jun. 2022</i>
Colloquium, NCU, Taiwan	<i>Apr. 2022</i>
Colloquium, ASIES, Taiwan	<i>Apr. 2022</i>
Invited talk, NCTS Forum, TPS Annual Meeting, Taiwan	<i>Jan. 2022</i>
TPS Annual Meeting, Taiwan	<i>Jan. 2022</i>
NCTS Annual Theory Meeting, Taiwan	<i>Dec. 2021</i>
Colloquium (online), Beijing Normal University, China	<i>Oct. 2021</i>
Laboratory Fluid Dynamics for Disks and Planets (online), Germany	<i>Sep. 2021</i>
Distorted Astrophysical Discs (online), UK	<i>May 2021</i>
Colloquium, NTHU, Taiwan	<i>Mar. 2021</i>
Invited talk, Cores to Codes, Taiwan	<i>Mar. 2021</i>
GIAP seminar, National Chengchi University, Taiwan	<i>Dec. 2020</i>
Planetesimal formation meeting (online), Sweden	<i>Nov. 2020</i>
Exoplanet seminar (online), University of Cambridge, UK	<i>Nov. 2020</i>
DAMTP seminar (online), University of Cambridge, UK	<i>Nov. 2020</i>
Seminar (online), University of Warwick, UK	<i>Oct. 2020</i>
StarPlan seminar (online), University of Copenhagen, Denmark	<i>May 2020</i>
TPS Annual Meeting, Taiwan	<i>Feb. 2020</i>
2nd Workshop for Protoplanetary Disks and Exoplanets, Taiwan	<i>Dec. 2019</i>
Invited review, Planet Formation Workshop, Japan	<i>Nov. 2019</i>
Extreme Solar Systems IV, Iceland	<i>Aug. 2019</i>
Great Barriers in Planet Formation, Australia	<i>Jul. 2019</i>
Colloquium, Tsinghua University, China	<i>May 2019</i>

CCA Planet Formation Workshop, USA	May 2019
New Horizons in Planetary Systems, Canada	May 2019
Seminar, Herzberg Astronomy and Astrophysics Research Centre, Canada	May 2019
TPS Annual Meeting, Taiwan	Jan. 2019
Colloquium, ASIAA, Taiwan	Nov. 2018
Colloquium, NTHU, Taiwan	Nov. 2018
Mini-school on Computational Astrophysics, Taiwan	Oct. 2018
East Asian Numerical Astrophysics Meeting 8, Taiwan	Oct. 2018
Taiwanese Theoretical Astrophysics Workshop, Taiwan	Sep. 2018
TIARA Summer School on Origins of the Solar System, Taiwan	Jul. 2018
Exoplanets II, UK	Jul. 2018
Planets, Stars and Discs: A Golden Age for Particle and Gas Dynamics, UK	Jul. 2018
ASROC Annual Meeting, Kinmen	May 2018
Colloquium, NTNU, Taiwan	May 2018
Seminar, Imperial College London, UK	Mar. 2018
Seminar, University of Bristol, UK	Mar. 2018
Seminar, Queen Mary University of London, UK	Mar. 2018
Seminar, University of Exeter, UK	Mar. 2018
Seminar, University of Leicester, UK	Mar. 2018
ALMA North American-Taiwan Joint Workshop, Taiwan	Feb. 2018
Exoplanets and Planet Formation, China	Dec. 2017
Colloquium, NCU, Taiwan	Oct. 2017
Colloquium, CYCU, Taiwan	Oct. 2017
TIARA/CHARMS Mini-Workshop on Disks in the Protoplanetary Systems, Taiwan	Jul. 2017
Cross-Strait Symposium of Astrophysics, Taiwan	Jul. 2017
Asia-Pacific Regional IAU Meeting, Taiwan	Jul. 2017
ALMA Band 1 Workshop, Taiwan	Jan. 2017
East Asian Numerical Astrophysics Meeting 7, China	Oct. 2016
Exoplanets I, Switzerland	Jul. 2016
Colloquium, University of Amsterdam, The Netherlands	Jun. 2016
Colloquium, ASIAA, Taiwan	Apr. 2016
CompAS seminar, ASIAA, Taiwan	Apr. 2016
Seminar, University of Leicester, UK	Mar. 2016
Seminar, Queen Mary University of London, UK	Mar. 2016
Protoplanetary DISCUSSIONS, UK	Mar. 2016
Seminar, NOAO, USA	Feb. 2016
Protoplanetary Disk Dynamics and Planet Formation, Japan	Sep. 2015
In the Spirit of Lyot, Canada	Jun. 2015
Disc Dynamics & Planet Formation, Cyprus	Jun. 2015
IAUS 314: Young Stars & Planets Near the Sun, USA	May 2015
Star and Planet Formation in the Southwest, USA	Mar. 2015
Seminar, UC Berkeley, USA	Feb. 2015
Characterizing Planetary Systems Across the HR Diagram, UK	Jul. 2014
Seminar, University of Arizona, USA	Jul. 2014
Seminar, CITA, Canada	Jul. 2014
Seminar, University of Toronto, Canada	Mar. 2014
Colloquium, Centre for Star and Planet Formation and the Niels Bohr Institute, Denmark	Jan. 2014
IAUS 299: Exploring the Formation and Evolution of Planetary Systems, Canada	Jun. 2013

Seminar, University of Toronto, Canada	<i>May 2013</i>
Seminar, MIT, USA	<i>Apr. 2013</i>
Seminar, Harvard-Smithsonian Center for Astrophysics, USA	<i>Apr. 2013</i>
Colloquium, Cornell University, USA	<i>Feb. 2013</i>
Seminar, Princeton University, USA	<i>Feb. 2013</i>
American Geophysical Union Fall Meeting, USA	<i>Dec. 2012</i>
Instabilities and Structures in Protoplanetary Disks, France	<i>Sep. 2012</i>
Seminar, University of Cambridge, UK	<i>Oct. 2011</i>
Baroclinic Instability and Protoplanetary Accretion Disks, Germany	<i>Jun. 2011</i>
Seminar, ASIAA, Taiwan	<i>Nov. 2010</i>
Seminar, University of Cambridge, UK	<i>Nov. 2010</i>
East Asian Numerical Astrophysics Meeting 4, Taiwan	<i>Nov. 2010</i>
International Summer Institute for Modeling in Astrophysics, USA	<i>Aug. 2010</i>
Seminar, American Museum of Natural History, USA	<i>Jan. 2010</i>
Winter Workshop on Planetary Astrophysics, China	<i>Dec. 2009</i>
Seminar, University of Cambridge, UK	<i>Oct. 2009</i>
Dynamics of Discs and Planets, UK	<i>Aug. 2009</i>
UKMHD, UK	<i>Jun. 2009</i>