Chien-hong Lin (林建宏)

Associate Professor
Department of Mechanical Engineering
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Tainan City, Taiwan

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EDUCATION

- ***Ph.D.*** 2014, *Mechanical Engineering*, Texas A&M University, College Station, Texas, USA
- ***M.S.*** 2001, *Biomedical Engineering*, National Cheng Kung University, Tainan, Taiwan
- ***B.S.*** 1999, *Mechanical Engineering*, National Taipei University of Technology, Taipei, Taiwan

Dr. Lin has a broad background in *Solid Mechanics*. He has published >20 articles in peer-reviewed journals/book, presented at many conferences/workshops, and committed to plenty of professional activities in scientific communities. In addition, he is quite gifted in mechanical design and instrumentation via his industrial experience.

PROFESSIONAL EXPERIENCE

- ***Employment***

2022-present	***Associate Professor***, Dept. of Mechanical Engineering, National Cheng Kung University, Tainan, Taiwan
2017-present	***Affiliate Faculty***, Dept. of Biomedical Engineering, National Cheng Kung University, Tainan, Taiwan
2017-2022	***Assistant Professor***, Dept. of Mechanical Engineering, National Cheng Kung University, Tainan, Taiwan
2017	***Assistant Professor***, Dept. of Mech. & Mechatronic Eng., National Taiwan Ocean University, Taiwan
2016	***Postdoctoral Fellow***, Dept. of Mechanical Engineering, Johns Hopkins University, Baltimore, MD, USA
2015-2016	***Manufacturing Assistant Manager***, Honghua America LLC, Houston, Texas, USA
2014-2015	***Mechanical Engineer***, Honghua America LLC, Houston, Texas, USA
2014	***Mechanical Engineer***, Texma Petroleum Machinery LLC, Houston, Texas, USA
2010-2014	***Graduate Research Assistant***, Texas A&M University, College Station, Texas, USA
2005-2008	***Mechanical Engineer***, Haisiang Co. Ltd., New Taipei City, Taiwan
2001-2005	***Research Assistant***, Academia Sinica, Taipei, Taiwan

RESEARCH INTEREST

Dr. Lin current research interest concerns ***Modeling of Engineering Materials***, particularly, on nonlinear and time dependent constitutive material modeling, micromechanics of composites and functionally graded materials, multi-scale analyses of heterogeneous materials subject to coupled thermal, electrical, and mechanical stimuli, coupled mechanical and transport analyses in multifunctional composites, time-dependent degradation of polymers and composites, numerical and finite element methods.

AWARDS AND HONORS

2025 ***Outstanding Mentor Award,*** Dept. of Mechanical Engineering, Nat'l Cheng Kung University
2025 ***Outstanding Research Award***, Dept. of Mechanical Engineering, Nat'l Cheng Kung University
2024 ***Excellent Teaching Award***, National Cheng Kung University
2024 ***Outstanding Teaching Award***, Dept. of Mechanical Engineering, Nat'l Cheng Kung University
2024 ***Incentive Compensation Award***, College of Engineering, National Cheng Kung University
2023 ***Incentive Compensation Award***, College of Engineering, National Cheng Kung University
2022 ***Incentive Compensation Award***, College of Engineering, National Cheng Kung University
2022 ***Outstanding Mechanical Faculty***, Chinese Society of Mechanical Engineers, Kaohsiung Section, Taiwan
2022 ***Outstanding Mentor Award***, Dept. of Mechanical Engineering, Nat'l Cheng Kung University
2022 ***Outstanding Teaching Award***, Dept. of Mechanical Engineering, Nat'l Cheng Kung University
2021 ***Incentive Compensation Award***, College of Engineering, National Cheng Kung University
2021 ***Outstanding Teaching Award***, Dept. of Mechanical Engineering, Nat'l Cheng Kung University
2021 ***Distinguished Alumni Award***, Dept. of Mechanical and Electro-mechanical Eng., National Ilan University
2020 ***New Faculty Research Fund***, NT$150,000, Office of Research and Development, Nat'l Cheng Kung University
2019 ***New Faculty Research Fund***, NT$150,000, Office of Research and Development, Nat'l Cheng Kung University
2018 ***New Faculty Research Fund***, NT$100,000, College of Engineering, National Cheng Kung University
2015 ***Employee of the Quarter***, Second quarter in 2015, Honghua America, LLC
2014 ***3rd Place Award***, Student Poster Competition, MEEN Engineering Day, Texas A&M University, April, 5th, 2014
2014 ***4th Place Award***, Poster Design Competition, Texas A&M University, February, 2014
2008 ***Graduate Scholarship,*** US$1,000 for non-resident tuition exemption, Texas A&M University, February, 2018
2000 ***Honorable Mention Award,*** 2000 Conference on Biomechanics, I-Shou University, November, 2000
1999 ***Distinguished Mechanical Design Award,*** Student Project Competition, Nat'l Taipei University of Technology

- ***Awards for Students***

2025	Y. Chan	***Honorable Mention Award***, Student Competition, the 49th National Conference on Theoretical and Applied Mechanics (CTAM2025)
2021	M. N. Kurniawati C. Lai Y. Huang T. K. N. Ngo Z. W. Yeoh	***Silver Award***, 2021 UAiTED Innovation Competition
2019	Y. Zhan	***The 30th Professor Ke-rang Li Scholarship***, NT$10,000, National Cheng Kung University
2018	Y. Zhan	***Travel Award***, NT$45,000, Ministry of Science and Technology, MOST-107-2922-I-006-272
2018	Y. Zhan	***The 29th Professor Ke-rang Li Scholarship***, NT$10,000, National Cheng Kung University
2018	S. Chen	***Travel Award***, NT$28,000, Ministry of Science and Technology, MOST-107-2922-I-006-138
2017	Y. Chuang I. Huang H. Chou Y. Lin	***Honorable Mention Award***, Student Project Competition, Nat'l Taiwan Ocean University

COURSES TAUGHT

A. Graduate Level

ME7307 *Micromechanics*
ME7316 *Mechanics of Composite Materials*
BME7005 *Biodesign (1)*
BME7006 *Biodesign (2)*

B. Undergraduate Level

ME1300 *Applied Mechanics (1)*
ME3303 *Introduction to Mechanics of Composite Materials*
ME5302 *Introduction to Micromechanics*
GE2516 *Engineering in Biomedicine*

PROFESSIONAL SHORT COURSES TAUGHT

August 9, 2018 "Design and Prototyping of User-customized Assistive Devices," *BioDesign Summer Course (生技醫材設計與開發課程),* National Cheng Kung University, Tainan, Taiwan, (two hours lecture).

INVITED TALKS

1. **Lin, C.**, "*Constitutive modeling of magnetostrictive polymer composites*," Institute of Applied Mechanics, *National Taiwan University*, Taipei, Taiwan, March 28, 2022.
2. **Lin, C.**, "*Introduction to Mechanics of Materials and Micromechanics*," Department of Mechanical and Electro-Mechanical Engineering, *National Ilan University*, Yilan, Taiwan, October 20, 2021.
3. **Lin, C.**, "*Modular Design of Specialized Wheelchairs for Cerebral Palsy: Research & Development Process*," Department of Biomedical Engineering, *National Yang-Ming University*, Taipei, Taiwan, September 19, 2019.
4. **Lin, C.**, "*Constitutive Modeling of Smart Composites*," Department of Mode and Die Engineering, *National Kaohsiung University of Science and Technology*, Kaohsiung, Taiwan, March 4, 2019.
5. **Lin, C.**, "*Modeling of Active Composites*," *2018 Strategic Partnership Forum (2018 亞洲工學院策略聯盟會議),* National Cheng Kung University, Tainan, Taiwan, September 3, 2018.
6. **Lin, C.**, "*Micromechanics of Piezoelectric Composites*," Department of Mechanical Engineering, *National Cheng Kung University*, Tainan, Taiwan, March 6, 2018.
7. **Lin, C.**, "*Micromechanics of Composite Materials*," Department of Mechanical and Mechatronic Engineering, *National Taiwan Ocean University*, Keelung, Taiwan, March 20, 2017.

RESEARCH GRANTS

1. Principal Investigator, "A unified theory for nonlinear three-phase intelligent composites and their associated applications," funded by National Science and Technology Council, proposal number NSTC 114-2221-E-006-154, from 1 August 2025 through 31 July 2026, NT$1,273,000.
2. Principal Investigator, "Multi-scale micromechanics frameworks for hybrid magnetoelectric composites: theories, validations and applications," funded by National Science and Technology Council, proposal number NSTC 113-2221-E-006-114, from 1 August 2024 through 31 July 2025, NT$1,102,000.
3. Principal Investigator, "A new unit cell-based micromechanics model for smart composites," funded by Ministry of Science and Technology, proposal number MOST 111-2221-E-006-148-MY2, from 1 August 2022 through 31 July 2024, NT$1,750,000.
4. Principal Investigator, "Analysis of Viscoelastic Response under Cyclic Loading in Fiber-reinforced Magnetostrictive Composites," funded by Ministry of Science and Technology, proposal number MOST 110-2221-E-006-148, from 1 August 2021 through 31 July 2022, NT$823,000.
5. Principal Investigator, "A Constitutive Model of Coupled Magneto-thermo-mechanical Hysteresis Behavior for Giant Magnetostrictive Materials," funded by Ministry of Science and Technology, proposal number MOST 109-2221-E-006-211, from 1 August 2020 through 31 July 2021, NT$799,000.

6. Principal Investigator, “Micromechanics-based Model of Nonlinear Magnetoelectric Fibrous Composites,” funded by Ministry of Science and Technology, proposal number MOST 107-2218-E-006-021-MY2, from 1 February 2018 through 31 January 2020 (extended to July 2020), NT$1,648,000.

STUDENT RESEARCH ADVISING

A. Master

1. You-shu Zhan, Fall 2017-Spring 2019
   Thesis title: *A Constitutive Model for Ferromagnetic Alloys: A Fully Coupled Analysis*

2. Sheng-hsiang Chen, Fall 2017-Fall2019 (co-advise with Prof. Tei-Chen Chen)
   Thesis title: *Mechanical Analysis of Rib-reinforced Rectangular Thin-walled Vessel under Internal Pressure*

3. Kuo-jung Shen, Fall 2018-Spring 2020
   Thesis title: *Modeling of Nonlinear Viscoelastic Behavior of Magnetostrictive Composites*

4. Obul Reddy Lacchaiahgari, Spring 2019-Fall 2020 (co-advise with Prof. Wen-Bin Young)
   Thesis title: *Studies on Water Absorption of Silane Treated Mercerized Bamboo-Epoxy Composites*

5. Fang-yu Liu, Fall 2019-Spring 2021
   Thesis title: *Effective Time-dependent and Nonlinear Responses of Three-phase Magneto-electro-elastic Composites*

6. Ying-zhao Lin, Fall 2019-Spring 2021
   Thesis title: *Micromechanics of Magnetostrictive and Magnetoelectric Composite Materials: Effective Nonlinear Behavior*

7. An-po Chou, Fall 2019-Spring 2021
   Thesis title: *Analysis of the Viscoelastic Response of Functionally Graded Piezoelectric Beams*

8. Zhong-yi Lin, Fall 2020-Spring 2022
   Thesis title: *Micromechanics modeling of nonlinear magnetoelectric coupling of magnetostrictive-piezoelectric composites*

9. Yu-cheng Hung, Fall 2020-Spring 2022
   Thesis title: *Modeling of viscoelastic responses of magnetostrictive polymer matrix composites*

10. Ying-ru Lu, Fall 2020-Spring 2022
    Thesis title: *Effective nonlinear behavior of hybrid magnetostrictive composite material*

11. Chia-Ju Lin, Fall 2021- Spring 2023
    Thesis title: *The effective time-dependent and nonlinear responses of hybrid magnetostrictive composites*

12. Hong-Yang Kuo, Fall 2021- Spring 2023
    Thesis title: *Mathematical modeling of time-dependent behavior of magnetostrictive-piezoelectric composites*

13. Yan-Ting Chen, Fall 2021- Spring 2023 (co-advise with Prof. Shih-Chen Shi)
    Thesis title: *Research on the process and characteristics of chitosan nano-silver composite as SERS substrate for sustainable application*

14. Yi-Chuan Lin, Fall 2022- Spring 2024

Thesis title: *Micromechanical analysis of fully coupled nonlinear electro-magneto-thermo-elastic three-phase composites*

15. Yu-Chun Huang, Fall 2022- Spring 2024
    Thesis title: *Micromechanical modeling of the hysteretic responses of hybrid magnetostrictive polymer composites*

16. Bo-Jun Zhang, Fall 2022- Spring 2024
    Thesis title: *Magnetoelectric response of 2-2 laminated composites containing imperfect interfaces and visco-electro-elastic constituents*

17. Chun-Che Tsao, Fall 2022- Spring 2024
    Thesis title: *Constitutive Modeling of Magnetoelectric Oriented and Non-oriented Particle Composites*

18. Heng-Jhih Yang, Fall 2023- Spring 2025 (co-advise with Prof. Yu-Lung Lo)
    Thesis title: *Modeling and analysis of single-pulse femtosecond laser ablation and microhole geometry evolution*

19. Kuan-Lin Lai, Fall 2023-

20. Albert Yu Poh Chan, Fall 2024-

21. Pi-Han Chen, Fall 2024-

22. Chi-Mao Wu, Fall 2025-

23. Yi-Ting Chen, Fall 2025-

24. Bing-En Li, Fall 2025-

25. Yu-Hsuan Huang, Fall 2025-

26. Hsiang-Yi Chung, Fall 2025-

B. Undergraduate Student

1. Yu-chang Chuang, I-ning Huang, Hsiao-cheng Chou, and Yu-chen Lin, National Taiwan Ocean University, Spring 2017
   Project title: Computer-aided design for straight beams
   This project won the Honorable Mention Award.

C. High School Student

1. Mira Michels-Gualtieri, Garrison Forest School, Owings Mills, Maryland, USA, Spring 2016
   Project title: Supporting the underdogs of science: mechanical engineering and CAD

PUBLICATIONS

A. Articles in Refereed Journals

1. Lin, C.*, and Y. Huang. 2025. “Modeling the Hysteresis Response of Hybrid Magnetostrictive Fiber Composites,” ***International Journal of Mechanical Sciences***, 308:110948. (SCIE, Q1, 5/182, 2.5%, ENGINEERING, MECHANICAL, IF:9.4)
2. Lin, C.*, and Y. Lin. 2025. “Magnetoelectric Coupling in Nonlinear Three-Phase Composites: A Micromechanical Study,” ***International Journal of Mechanical Sciences***, 299:110425. (SCIE, Q1, 5/182, 2.5%, ENGINEERING, MECHANICAL, IF:9.4)
3. Lin, C.*. 2025. “Unified Micromechanics of Magnetoelectric Fibrous, Particulate, and Laminated Composite Materials,” ***International Journal of Mechanical Sciences***, 286:109900. (SCIE, Q1, 5/182, 2.5%, ENGINEERING, MECHANICAL, IF:9.4)
4. Lin, C.*, and A. Chou. 2024. “Modeling of Visco-electro-elastic Responses of PZT-Based Functionally Graded Beam Benders,” ***International Journal of Solids and Structures***, 304:113034. (SCIE, Q2, 41/138, 29.35%, MECHANICS, IF:3.667)
5. Lin, C.*, and C. Lin. 2024. “Micromechanical Analysis of Magnetoelectric Coupling of Composites Containing Nonlinear Magnetostrictive and Piezoelectric Constituents,” ***Journal of Magnetism and Magnetic Materials***, 608:172421. (SCIE, Q3, 35/69, 50%, PHYSICS, CONDENSED MATTER, IF:3.097)
6. Lin, C.*, and Y. Lu. 2024. “Micromechanics Predictions of the Effective Magnetoelastic Responses of Hybrid Fiber-reinforced Composites,” ***European Journal of Mechanics - A/Solids,*** 106:105283. (SCIE, Q1, 20/138, 14.13%, MECHANICS, IF:4.873)
7. Lin, C.*, and C. Lin. 2024. “Effective Magnetoelastic Responses of Hybrid Fiber Composites with Viscoelastic Matrices,” ***Composite Structures,*** 333:117874. (SCIE, Q1, 8/171, 4.4%, MECHANICS, IF:7.1)
8. Lin, C., Y. Zhan, and Z. Deng*. 2023. “Constitutive Modeling of Oriented and Non-oriented Magnetostrictive Particulate Composites,” ***Composite Structures,*** 311:116781. (SCIE, Q1, 8/138, 5.43%, MECHANICS, IF:6.603)
9. Lin, C.*, and Y. Hung. 2023. “Viscoelastic Effects on the Overall Responses of Terfenol-D/polymer Composites,” ***International Journal of Solids and Structures,*** 262-263:112087. (SCIE, Q2, 41/138, 29.35%, MECHANICS, IF:3.667)
10. Lin, C.*, and F. Liu. 2022. “Effective Nonlinear Responses of Three-phase Magnetoelectric Composites,” ***Scientific Reports,*** 12:15101. (SCIE, Q2, 19/73, 26.03%, MULTIDISCIPLINARY SCIENCES, IF:4.996)
11. Lin, C.*, and F. Liu. 2022. “Effective Time-dependent Behavior of Three-phase Polymer Matrix Smart Composites,” ***Composite Structures,*** 289:115457. (SCIE, Q1, 8/138, 5.43%, MECHANICS, IF:6.603)
12. Lin, C.*. 2022. “Effective Properties of 0-3, 1-3, and 2-2 Composites Based on Unified Unit-cell Micromechanics Model,” ***Mechanics Research Communications***, 119:103807. (SCIE, Q2, 63/138, 45.29%, MECHANICS, IF:2.749)
13. Lin, C.*, and Y. Lin. 2021. “Analysis of Nonlinear Piezomagnetism for Magnetostrictive Terfenol-D Composites,” ***Journal of Magnetism and Magnetic Materials***, 540:168490. (SCIE, Q3, 35/69, 50%, PHYSICS, CONDENSED MATTER, IF:3.097)
14. Lin, C.*, and Y. Lin. 2021. “Nonlinear Magnetoelectric Coupling in Magnetostrictive-piezoelectric Composites,” ***Composite Structures,*** 276:114558. (SCIE, Q1, 8/138, 5.43%, MECHANICS, IF:6.603)
15. Zhan, Y., and C. Lin*. 2021. “Micromechanics-based Constitutive Modeling of Magnetostrictive 1–3 and 0–3 Composites,” ***Composite Structures,*** 260:113264. (SCIE, Q1, 8/138, 5.43%, MECHANICS, IF:6.603)
16. Shen, K., and C. Lin*. 2021. “Micromechanical Modeling of Time-dependent and Nonlinear Responses of Magnetostrictive Polymer Composites,” ***Acta Mechanica,*** 232(3):983-1003. (SCIE, Q2, 66/138, 47.46%, MECHANICS, IF:2.645)
17. Zhan, Y., and C. Lin*. 2020. “A Constitutive Model of Coupled Magneto-thermo-mechanical Hysteresis Behavior for Giant Magnetostrictive Materials,” ***Mechanics of Materials***, 148:103477. (SCIE, Q2, 42/136, 30.51%, MECHANICS, IF:3.266)
18. Lin, C., and A. Muliana. 2016. “Nonlinear and Rate-dependent Hysteretic Responses of Active Hybrid Composites,” ***Materials Sciences and Applications***, 7(1):51-72. (Non-SCI)
19. Lin, C., and A. Muliana. 2015. “Nonlinear Electro-mechanical Responses of Functionally Graded Piezoelectric Beams,” ***Composites Part B: Engineering***, 72:53-64. (SCIE, Q1, 4/85, 4.12%, ENGINEERING, MULTIDISCIPLINARY, IF:3.850)
20. Li, P., K. L. White, C. Lin, D. Kim, A. Muliana, R. Krishnamoorti, R. Nishimura, H.-J. Sue. 2014. “Mechanical Reinforcement of Epoxy with Self-assembled Synthetic Clay in Smectic Order,” ***ACS Applied Materials & Interfaces,*** 6(13):10188-10195. (SCIE, Q1, 23/260, 8.85%, MATERIALS SCIENCE, MULTIDISCIPLINARY, IF:6.723)
21. Lin, C., and A. Muliana. 2014. “Polarization Switching Responses of 1-3 and 0-3 Active Composites**,” *Composite Structures,*** 116:535-551. (SCIE, Q1, 3/24, 12.5%, MATERIALS SCIENCE, COMPOSITES, IF:3.318)

22. Tajeddini, V., C. Lin, A. Muliana, and M. Lévesque. 2014. "Average Electro-mechanical Properties and Responses of Active Composites," ***Computational Materials Science***, 82:405-414. (SCIE, Q2, 80/260, 30.77%, MATERIALS SCIENCE, MULTIDISCIPLINARY, IF:2.131)
23. Lin, C., and A. Muliana. 2014. "Micromechanical Models for the Effective Time-dependent and Nonlinear Electromechanical Responses of Piezoelectric Composites," ***Journal of Intelligent Material Systems and Structures,*** 25(11):1306-1322. (SCIE, Q2, 84/260, 32.31%, MATERIALS SCIENCE, MULTIDISCIPLINARY, IF:2.072)
24. Lin, C., and A. Muliana. 2013. "Micromechanics Models for the Effective Nonlinear Electro- mechanical Responses of Piezoelectric Composites," ***Acta Mechanica***, 224(7):1471-1492. (SCIE, Q2, 67/139, 48.2%, MECHANICS, IF:1.268)
25. Muliana, A., and C. Lin. 2011. "A Multi-scale Formulation for Predicting Non-linear Thermo-electro-mechanical Response in Heterogeneous Bodies," ***Journal of Intelligent Material Systems and Structures***, 22(8):723-738. (SCIE, Q2, 64/232, 27.59%, MATERIALS SCIENCE, MULTIDISCIPLINARY, IF:1.953)
26. Hsiao, T.-H., C. Lin, T.-T. Lee, J.-Y. Cheng, P.-K. Wei, E.-Y. Chuang, and K. Peck. 2010. "Verifying Expressed Transcript Variants by Detecting and Assembling Stretches of Consecutive Exons," ***Nucleic Acids Research***, 38(20):e187. (SCIE, Q1, 30/286, 10.49%, BIOCHEMISTRY & MOLECULAR BIOLOGY, IF:7.863)

* *indicates correspondence author.*

B. Book Chapter

1. **Lin, C.**, and A. Muliana. "Micromechanics Modeling of Hysteretic Responses of Piezoelectric Composites," Creep and Fatigue in Polymer Matrix Composites, 2nd edition, Ed. R. M. Guedes, Woodhead Publishing, 2019, pp. 121-155.

C. Articles in Conference Proceedings

1. Chen, P. and **C. Lin***. "Multiphysics modeling of magnetoelectric coupling in laminated composites," oral presentation at *the 42th National Conference on Mechanical Engineering of CSME (CSME2025)*, Dec. 5-6, 2025, Hsinchu, Taiwan.
2. Chan, Y. and **C. Lin***. "Modeling the effective magnetostrictive response in 1-3 composites," oral presentation at *the 42th National Conference on Mechanical Engineering of CSME (CSME2025)*, Dec. 5-6, 2025, Hsinchu, Taiwan.
3. Chan, Y. and **C. Lin***. "Prediction of effective piezomagnetic response in fibrous composite materials," oral presentation at *the 49th National Conference on Theoretical and Applied Mechanics (CTAM2025), a Joint event with the 4th International Conference on Mechanics (ICM2025)*, Nov. 21-22, 2025, Maioli, Taiwan.
4. Chen, P. and **C. Lin***. "," oral presentation at *the 66th Annual Meeting of Aeronautical and Astronautical Society of the Republic of China (AASRC 2025),* Nov. 15, 2025, New Taipei City, Taiwan.
5. Lai, K. and **C. Lin***. "Effective responses of hybrid composites containing active reinforcements," oral presentation at *the 66th Annual Meeting of Aeronautical and Astronautical Society of the Republic of China (AASRC 2024)*, Dec. 7, 2024, Tainan, Taiwan.
6. Lai, K. and **C. Lin***. "Nonlinear behavior of multifunctional hybrid composites," oral presentation at *the 41th National Conference on Mechanical Engineering of CSME*, Nov. 15-16, 2024, Kaohsiung, Taiwan.
7. Huang, Y. and **C. Lin***. "Micromechanical analysis of magneto-elastic properties of smart fibrous composites," oral presentation at *the 40th National Conference on Mechanical Engineering of CSME*, Dec. 01-02, 2023, Changhua, Taiwan.
8. Lin, Y. and **C. Lin***. "A micromechanics model for the effective coefficient of thermal expansion of 0-3 composites," oral presentation at *the 40th National Conference on Mechanical Engineering of CSME*, Dec. 01-02, 2023, Changhua, Taiwan.
9. Tsao, C. and **C. Lin***. "Constitutive modeling of thermoelastic properties of layered composites," oral presentation at *the 40th National Conference on Mechanical Engineering of CSME*, Dec. 01-02, 2023, Changhua, Taiwan.
10. Zhang, B. and **C. Lin***. "Predictions of overall magnetoelectric properties of unidirectional fiber composites," oral presentation at *the 40th National Conference on Mechanical Engineering of CSME*, Dec. 01-02, 2023, Changhua, Taiwan.

11. Huang, Y. and **C. Lin***. "Estimations of piezomagnetic properties of multifunctional layered composites," oral presentation at *the 47th National Conference on Theoretical and Applied Mechanics*, Nov. 17-18, 2023, Yunlin, Taiwan.
12. Lin, Y. and **C. Lin***. "Effective thermoelastic properties of 1-3 composites," oral presentation at *the 47th National Conference on Theoretical and Applied Mechanics*, Nov. 17-18, 2023, Yunlin, Taiwan.
13. Tsao, C. and **C. Lin***. "Magnetoelectric properties and responses for 2-2 composites: A micromechanics formulation," oral presentation at *the 47th National Conference on Theoretical and Applied Mechanics*, Nov. 17-18, 2023, Yunlin, Taiwan.
14. Zhang, B. and **C. Lin***. "Analysis of magneto-electro-elastic behavior of particulate active aggregates," oral presentation at *the 47th National Conference on Theoretical and Applied Mechanics*, Nov. 17-18, 2023, Yunlin, Taiwan.
15. Lin, C. and **C. Lin***. "Effective nonlinear piezomagnetic behavior of magnetostrictive hybrid composites," oral presentation at *the 39th National Conference on Mechanical Engineering of CSME*, Dec. 02-03, 2022, Maioli, Taiwan.
16. Kuo, H. and **C. Lin***. "Average viscoelastic responses of piezoelectric 0-3 composites," oral presentation at *the 39th National Conference on Mechanical Engineering of CSME*, Dec. 02-03, 2022, Maioli, Taiwan.
17. Lin, C. and **C. Lin***. "Analysis of linear piezomagnetism for magnetostrictive hybrid composites," oral presentation at *the 46th National Conference on Theoretical and Applied Mechanics*, Nov. 18-19, 2022, Kaohsiung, Taiwan.
18. Kuo, H. and C. Lin*. "The response for piezoelectric fiber composites with viscoelastic constituents," oral presentation at *the 46th National Conference on Theoretical and Applied Mechanics*, Nov. 18-19, 2022, Kaohsiung, Taiwan.
19. Lin, C. and **C. Lin*.** "Constitutive Modeling of Magneto-thermo-mechanical Couplings of 2-2 Composites," *38th National Conference on Mechanical Engineering of CSME*, Dec 03-04, 2021, Tainan, Taiwan.
20. Hung, Y. and **C. Lin*.** "Modeling of Viscoelastic Responses of Smart Polymer Matrix Composites," *38th National Conference on Mechanical Engineering of CSME*, Dec 03-04, 2021, Tainan, Taiwan.
21. Lu, Y. and **C. Lin*.** "Effective Responses of Hybrid Multifunctional Composite Materials," *38th National Conference on Mechanical Engineering of CSME*, Dec 03-04, 2021, Tainan, Taiwan.
22. Lin, C. and **C. Lin***. "Overall Properties of 1-3 Composites: A Review of Micromechanics Models," oral presentation at *the 45th National Conference on Theoretical and Applied Mechanics*, Nov. 18-19, 2021, New Taipei City, Taiwan.
23. Hung, Y. and **C. Lin***. "Analysis of Hysteretic Behavior of Smart 2-2 Composites," oral presentation at *the 45th National Conference on Theoretical and Applied Mechanics*, Nov. 18-19, 2021, New Taipei City, Taiwan.
24. Lu, Y. and **C. Lin***. "Effective Properties and Responses of Hybrid Magnetostrictive Composites," oral presentation at *the 45th National Conference on Theoretical and Applied Mechanics*, Nov. 18-19, 2021, New Taipei City, Taiwan.
25. Liu, F. and **C. Lin***. "Nonlinear Magnetoelastic Behavior of a Polymer Reinforced by Active Particles," oral presentation at *the 44th National Conference on Theoretical and Applied Mechanics*, Nov. 26-27, 2020, Yilan, Taiwan.
26. Shen, G. and **C. Lin***. "Time-dependent Response of Piezomagnetic Fibrous Composites," oral presentation at *the 43th National Conference on Theoretical and Applied Mechanics*, Nov. 29-30, 2019, Taichung, Taiwan.
27. Zhan, Y. and **C. Lin***. "Time-dependent Response of Aluminum-base Metal Matrix Composites," oral presentation at *the 42th National Conference on Theoretical and Applied Mechanics*, Nov. 23-24, 2018, Taipei, Taiwan.
28. Chen, S. and **C. Lin***. "Effective Magnetoelectric Properties of Fiber-reinforced Composites with Imperfect Interface," co-authored presentation at *the 6th Asian Conference on Mechanics of Functional Materials and Structures*, Oct. 26-29, 2018, Tainan, Taiwan.
29. Lin, W. and **C. Lin***. "A Micromechanical Model for Active Woven Composites," co-authored presentation at *the 6th Asian Conference on Mechanics of Functional Materials and Structures*, Oct. 26-29, 2018, Tainan, Taiwan.
30. Zhan, Y. and **C. Lin***. "Constitutive Modeling of Multiferroic Particle-reinforced Composites," co-authored presentation at *the 6th Asian Conference on Mechanics of Functional Materials and Structures*, Oct. 26-29, 2018, Tainan, Taiwan.
31. Chen, S. and **C. Lin***. "Analysis of electro-magneto-mechanical coated fiber-reinforced composites," oral presentation at *4th Association of Computational Mechanics Taiwan Conference*, Oct. 15-18, 2018, Yilan, Taiwan.
32. Lin, W. and **C. Lin***. "Average Properties and Responses of Smart Woven Composites," oral presentation at *4th Association of Computational Mechanics Taiwan Conference*, Oct. 15-18, 2018, Yilan, Taiwan.
33. Zhan, Y. and **C. Lin***. "Modeling of Multifunctional Particulate Composites," oral presentation at *4th Association of Computational Mechanics Taiwan Conference*, Oct. 15-18, 2018, Yilan, Taiwan.

34. **Lin, C.*** "Comparison of Micromechanical Predictions for Fiber-reinforced Composites," oral presentation at *the 41th National Conference on Theoretical and Applied Mechanics*, Nov. 24-25, 2017, Tainan, Taiwan.
35. **Lin, C.** and A. Muliana. "Rate-dependent Hysteretic Response of Electro-active Composites: A Micromechanical Analysis," co-authored presentation at *the 9th Int. Conf. Mech. Time-Dep. Mat*., May 27-30, 2014, Montréal, Canada.
36. **Lin, C.** and A. Muliana. "A Micromechanical Model for Analyzing Responses of a Piezoelectric Hybrid Composite," oral presentation at *American Society for Composites – 28th Tech. Conf.*, Sept. 9-11, 2013, State College, PA, USA.
37. Tajeddini, V., **C. Lin** , A. Muliana, and M. Lévesque. "The effect of microstructural morphologies on the effective electro-mechanical properties of piezoelectric particle composites," co-authored presentation at *2012 ASME Int. Mech. Eng. Congress Expo.*, Nov. 9-15, 2012, Houston, TX, USA.
38. **Lin, C.** and A. Muliana. "Analyzing Thermo-Electro-Mechanical Response of Active Composites," co-authored presentation at *American Society for Composites – 26th Technical Conference/2nd Joint US-Canada Conference on Composites*, Sept. 26-28, 2011, Montréal, Canada.
39. **Lin, C.** and A. Muliana. "A Multi-scale Model for Analyzing Nonlinear Response of Active Composites," co-authored presentation at *the 16th Int. Conf. Comp. Struct. (ICCS16)*, Jun. 28-30, 2011, Porto, Portugal.
40. **Lin, J.,** and K. Chung, "Design of Clinical Seating/Positioning Evaluation System," co-authored presentation at *1999 International Conference on Biomedical Engineering*, pp. 156-157, December 17-18, 1999, Tainan, Taiwan.

D. Presentations at Conference and Workshops

1. Huang, Y. and **C. Lin***. "Micromechanical modeling of hysteretic responses in hybrid magnetostrictive-polymer composites," presentation at *the JOINT EVENT: ICCS29 - 29th International Conference on Composite Structures (ICCS29)*, Jun. 22-26, 2026, Virtual Event, University of Cagliari, Italy.
2. Chen, P. and **C. Lin***. "Multiphysics micromechanical modeling of electro-magneto-thermo-elastic particulate composites," oral presentation at *ACMT Symposium on Machine Learning and Digital Twin Technologies Against Natural Disasters (MLDTT2025)*, Dec. 12-13, 2025, Tainan, Taiwan.
3. Chan, Y. and **C. Lin***. "Effective piezomagnetic response of fibrous composites: a predictive micromechanical approach," oral presentation at *ACMT Symposium on Machine Learning and Digital Twin Technologies Against Natural Disasters (MLDTT2025)*, Dec. 12-13, 2025, Tainan, Taiwan.
4. Chen, P. and **C. Lin***. "Coupled-field modeling of magnetoelectric behavior in layered composite materials," oral presentation at *the 3rd Annual Meeting and Conference of Association of Computational Mechanics Taiwan (ACMT 2025) & the 16th Workshop on Boundary Element Methods in Taiwan*, Sept. 26-27, 2025, Hsinchu, Taiwan.
5. Chan, Y. and **C. Lin***. "Homogenization-based modeling of magnetostrictive effects in 1-3 composite materials," oral presentation at *the 3rd Annual Meeting and Conference of Association of Computational Mechanics Taiwan (ACMT 2025) & the 16th Workshop on Boundary Element Methods in Taiwan*, Sept. 26-27, 2025, Hsinchu, Taiwan.
6. Lin, C. and **C. Lin***. "Micromechanical Analysis of the Magnetoelastic Behavior of Hybrid Composites with Viscoelastic Matrices," presentation at *Mechcomp10 - 10th International Conference on Mechanics of Composites, a Joint event with IAMac 2025 (The third Ibero-American Conference on Composite Materials 2025)*, Jul. 23-25, 2025, Virtual Event, University of Porto, Portugal.
7. Lai, K. and **C. Lin***. "Average response of piezomagnetic hybrid composites," oral presentation at *The 6th Global Conference on Biomedical Engineering (GCBME2024) & Annual Meeting of Taiwanese Society of Biomedical Engineering (TSBME2024) & Annual Meeting of Taiwanese Society of Biomechanics (TSB2024)*, Nov. 1-3, 2024, Tainan, Taiwan.
8. Lai, K. and **C. Lin***. "Analysis of piezomagnetic coupling of magnetostrictive hybrid composites," oral presentation at *Association of Computational Mechanics Taiwan (ACMT 2) & The 15th Workshop on Boundary Element Methods (TWBEM 15)*, Oct. 5-6, 2024, Tainan, Taiwan.
9. Lin, Y. and **C. Lin***. "Effective nonlinear magnetoelectric coupling of smart composite materials," oral presentation at *Association of Computational Mechanics Taiwan (ACMT 2) & The 15th Workshop on Boundary Element Methods (TWBEM 15)*, Oct. 5-6, 2024, Tainan, Taiwan.
10. Lu, Y. and **C. Lin***. "Effective piezomagnetic response of hybrid composite systems," presentation at *the 9th International Conference on Mechanics of Composites*, Jun. 26-28, 2024, Virtual Event, University of Porto, Portugal.

11. Lin, Y. and **C. Lin***. "Micromechanics analysis of effective response of magnetostrictive-piezoelectric composites," presentation at *the JOINT EVENT: ICCS26 - 26th International Conference on Composite Structures & MECHCOMP8 - 8th International Conference on Mechanics of Composites*, Jun. 27-30, 2023, Virtual Event, University of Porto, Portugal.
12. **C. Lin***. "Unified unit-cell micromechanics model for effective mechanical properties of particulate, fibrous, and laminated composite materials," presentation at *the WCCM-APCOM 2022, the joint 15th World Congress on Computational Mechanics (WCCM XV) and 8th Asia Pacific Congress on Computational Mechanics (APCOM VIII)*, Jul. 31-Aug. 5, 2022, Virtual Event, Yokohama, Japan.
13. Zhan, Y. and **C. Lin***. "Constitutive Modeling of Magneto-active Composites with Fibrous and Particulate Terfenol-D Reinforcements," co-authored presentation at *16th U.S. National Congress on Computational Mechanics*, Jul. 25-29, 2021, Virtual Event hosted by University of Illinois at Urbana-Champaign and Northwestern University, Chicago, Illinois, USA.
14. Zhan, Y. and **C. Lin***. "Micromechanical Analysis of Coupled Magnetoelastic Responses for a Fiber-reinforced Polymer-Matrix Composite," co-authored presentation at *the Engineering Mechanics Institute Conference 2021*, May 25-28, 2021, Virtual Event hosted by Columbia University, New York, NY, USA.
15. Shen, K. and **C. Lin***. "Nonlinear and Time-dependent Responses of Magnetostrictive Composites," oral presentation at *the 44th National Conference on Theoretical and Applied Mechanics*, Nov. 26-27, 2020, Yilan, Taiwan.
16. Jerripothula, V. S. K. and **C. Lin***. "Effective Properties of Particulate Composites: A Micromechanical Study," oral presentation at *the 44th National Conference on Theoretical and Applied Mechanics*, Nov. 26-27, 2020, Yilan, Taiwan.
17. Chou, A. and **C. Lin***. "Modeling of An Active Beam with Functionally Graded Layers," oral presentation at *the 44th National Conference on Theoretical and Applied Mechanics*, Nov. 26-27, 2020, Yilan, Taiwan.
18. Lin, Y. and **C. Lin***. "Estimation of Multiphysics Coupled Properties of Two-phase Fibrous Composites," oral presentation at *the 44th National Conference on Theoretical and Applied Mechanics*, Nov. 26-27, 2020, Yilan, Taiwan.
19. Zhan, Y. and **C. Lin***. "Nonlinear Magneto-mechanical Behavior of Smart Composites: A Micromechanical Study," co-authored presentation at *Asian Pacific Cong. on Comput. Mech. 2019*, Dec. 18-21, 2019, Taipei, Taiwan.
20. Shen, G. and **C. Lin***. "Rate-dependent Magneto-elastic Coupling Response of Ferromagnetic Particle Reinforced Composites," co-authored presentation at *Asian Pacific Cong. on Comput. Mech. 2019*, Dec. 18-21, 2019, Taipei, Taiwan.
21. Chen, C. and **C. Lin***. "Average Nonlinear Behavior of Active Matrix Composites Incorporating Piezomagnetic Fibers," co-authored presentation at *Asian Pacific Cong. on Comput. Mech. 2019*, Dec. 18-21, 2019, Taipei, Taiwan.
22. Zhan, Y. and **C. Lin***. "Micromechanics Modeling of Multiferroic Particulate Composites," co-authored presentation at *15th U.S. National Congress on Computational Mechanics*, Jul. 28-Aug. 1, 2019, Austin, TX, USA.
23. Chen, S. and **C. Lin***. "Analysis of Coated Fibrous Multiferroic Composites Subjected to Large Electric Driving Field," co-authored presentation at *2018 ASME Int. Mech. Eng. Congress Expo.*, Nov. 9-15, 2018, Pittsburgh, PA, USA.
24. Lin, W. and **C. Lin***. "Micromechanical Modeling of Nonlinear Responses of Active Woven Composites," co-authored presentation at *2018 ASME Int. Mech. Eng. Congress Expo.*, Nov. 9-15, 2018, Pittsburgh, PA, USA.
25. Zhan, Y. and **C. Lin***. "Average Behavior of Nonlinear Magneto-electro-elastic Particulate Composites," co-authored presentation at *2018 ASME Int. Mech. Eng. Congress Expo.*, Nov. 9-15, 2018, Pittsburgh, PA, USA.
26. **Lin, C**. "Average Responses of Fiber-reinforced Composites with an Enhanced Matrix," oral presentation at *3rd Association of Computational Mechanics Taiwan Conference*, Oct. 19-20, 2017, Tainan, Taiwan.
27. **Lin, C.** and A. Muliana. "A Multiscale Analysis of Functionally Graded Piezoelectric Beams," oral presentation at *2016 ASME Int. Mech. Eng. Congress Expo.*, Nov. 11-17, 2016, Phoenix, AZ.
28. **Lin, C.** and A. Muliana. "Constitutive Modeling of Nonlinear Piezoelectric Particle-reinforced Composites," oral presentation at *2nd Association of Computational Mechanics Taiwan Conference*, Oct. 20-21, 2016, Taipei, Taiwan.
29. **Lin, C.** and A. Muliana. "A Micromechanical Model for the Effective Polarization Switching Responses of Piezoelectric Hybrid Composites," oral presentation at *2015 ASME Int. Mech. Eng. Congress Expo.*, Nov. 13-19, 2015, Houston, TX.
30. Li, P., K. L. White, **C. Lin**, D. Kim, R. Krishnamoorti, A. Muliana, R. Nishimura, H.-J. Sue. 2015. "Ultrastrong epoxy nanocomposites containing self-assembled synthetic clay in smectic order," co-authored presentation at *249th American Chemical Society National Meeting & Exposition*, Mar. 22-26, 2015, Denver, CO.
31. **Lin, C.**, and A. Muliana. "Micromechanical Analyses on Electro-mechanical Hysteresis of 1-3, 0-3, and Functionally Graded Composites," oral presentation at *the 1th Int. Conf. Mech.Comp*., Jun. 8-12, 2014, Long Island, NY.

32. **Lin, C.** and A. Muliana. "Rate-dependent Electro-mechanical Coupling Response of Active Composites," oral presentation at *2013 ASME Int. Mech. Eng. Congress Expo.*, Nov. 15-21, 2013, San Diego, CA.
33. **Lin, C.** and A. Muliana. "Effective Nonlinear Responses of Piezoelectric Fibrous and Hybrid Composites," oral presentation at *2012 ASME Int. Mech. Eng. Congress Expo.*, Nov. 9-15, 2012, Houston, TX.
34. **Lin, C.** and A. Muliana. "Micromechanics Model for Nonlinear Multi-field Responses of Active Composites," oral presentation at *ASME Applied Mechanics and Materials Conf. (McMAT 2011)*, May 30-Jun. 1, 2011, Chicago, IL.
35. **Lin, C.** and A. Muliana. "Micromechanics Model for Nonlinear Multi-field Responses of Active Composites," oral presentation at 14th Annual Student Research Week at Texas A&M University, Match 21-25, 2011, College Station, TX.
36. Muliana, A. and **C. Lin**. "A Micromechanical Model for Active Polymer Matrix Composites," co-authored presentation at *2010 ASME Int. Mech. Eng. Congress Expo.*, Nov. 12-18, 2010, Vancouver, Canada.
37. Muliana, A., K. Li and **C. Lin**. "A Multi-scale Study for Active Fiber Composites with Field Coupling Effects," co-authored presentation at *9th World Congress on Computational Mechanics*, July 19-23 2010, Sydney, Australia.
38. **Lin, J.**, K. Chung, and H. Lin, "Design and Development in Specialized Seating/Positioning Wheelchair for the Cerebral Palsied," co-authored presentation at *2000 International Conference on Biomechanics*, pp. B50, November 25, 2000, Kaohsiung, Taiwan.

E. Research Posters

1. **Lin, C.**, Y. Lin, Y. Huang, B. Zhang, C. Tsao, K. Lai, P. Chen, J. Liu, and Y. Chan. "Multi-scale micromechanics frameworks for hybrid magnetoelectric composites: theories, validations and applications," *42th National Conference on Mechanical Engineering of CSME (CSME2025)*, Dec. 5-6, 2025, Hsinchu, Taiwan.
2. **Lin, C.**, Y. Hung, C. Lin, Y. Lu, C. Lin, H. Kuo, Y. Lin, Y. Huang, B. Zhang, C. Tsao, T. Wang, and K. Lai. "A unified micromechanics model for constitutive modeling of fully coupled multiferroic composites," *41th National Conference on Mechanical Engineering of CSME*, Nov. 15-16, 2024, Kaohsiung, Taiwan.
3. Lai, K. and **C. Lin***. "Analysis of piezomagnetic coupling of magnetostrictive hybrid composites," oral presentation at *Association of Computational Mechanics Taiwan (ACMT 2) & The 15th Workshop on Boundary Element Methods (TWBEM 15)*, Oct. 5-6, 2024, Tainan, Taiwan.
4. **Lin, C.**, C. Lin, H. Kuo, Y. Huang, Y. Lin, C. Tsao, and B. Zhang. "A unified micromechanics model for constitutive modeling of fully coupled multiferroic composites," *40th National Conference on Mechanical Engineering of CSME*, Dec. 01-02, 2023, Changhua, Taiwan.
5. **Lin, C.**, C. Lin, Y. Lu, C. Yang, C. Lin, and H. Kuo. "Analysis of viscoelastic response under cyclic loading in fiber-reinforced magnetostrictive composites," *39th National Conference on Mechanical Engineering of CSME,* Dec. 02-03, 2022, Maioli, Taiwan.
6. **Lin, C.**, Y. Zhan, and Y. Lin. "A Constitutive Model of Coupled Magneto-thermo-mechanical Hysteresis Behavior for Giant Magnetostrictive Materials," *38th National Conference on Mechanical Engineering of CSME*, Dec 03-04, 2021, Tainan, Taiwan.
7. **Lin, C.** and K. Shen. "Micromechanics-based Model of Nonlinear Magnetoelectric Fibrous composites," *37th National Conference on Mechanical Engineering of CSME*, Nov 20-21, 2020, Yunlin, Taiwan.
8. **Lin, C.** and Y. Zhan. "Micromechanics-based Model of Nonlinear Magnetoelectric Fibrous composites," *36th National Conference on Mechanical Engineering of CSME*, Dec 7-8, 2019, Taipei, Taiwan.
9. **Lin, C.** and A. Muliana. "Micromechanical Models for Nonlinear Active Composites," *The 3rd Annual Johns Hopkins Postdoctoral Retreat*, May 16, 2016, Baltimore, MD.
10. **Lin, C.** and A. Muliana. "Micromechanics Modeling of Piezoelectric Composites," *3rd Annual Student Research Poster Competition, Texas A&M University*, Apr. 17, 2014, College Station, TX.
11. Tajeddini, V., **C. Lin**, A. Muliana, and M. Lévesque. "Electro-mechanical Responses of Piezoelectric Composites," *3rd Annual Student Research Poster Competition, Texas A&M University*, Apr. 17, 2014, College Station, TX.
12. **Lin, C.** and A. Muliana. "Micromechanics Modeling of Piezoelectric Composites," *Mechanical Engineering Day, Texas A&M University*, Apr. 5, 2014, College Station, TX.
13. Tajeddini, V., **C. Lin**, A. Muliana, and M. Lévesque. "Electro-mechanical Responses of Piezoelectric Composites," *Mechanical Engineering Day, Texas A&M University*, Apr. 5, 2014, College Station, TX.

14. Tajeddini, V., **C. Lin**, A. Muliana, and M. Lévesque. "Electro-mechanical Responses of Piezoelectric Composites," *2014 Pi Tau Sigma National Convention, Texas A&M University*, Feb. 22, 2014, College Station, TX.
15. Tajeddini, V., **C. Lin**, A. Muliana, and M. Lévesque "Electro-mechanical Responses of Piezoelectric Composites," *Spring 2013 MEEN Student Poster Competition, Texas A&M University*, Apr. 26, 2013, College Station, TX.

PROFESSIONAL SOCIETY AFFILIATION

2022-present ***Member***, Society of Theoretical and Applied Mechanics of the Republic of China (STAM)
2022-present ***Member***, Chinese Society of Mechanical Engineers (CSME)
2022-present ***Member***, Association of Computational Mechanics Taiwan (ACMT)
2011-present ***Member***, American Society of Mechanical Engineers (ASME)

SERVICES AND SYNERGISTIC ACTIVITIES

A. Young Editorial Board

1. Journal of Mechanics, *Oxford University Press*, January 1, 2026 – December 31, 2027.

B Associate Editor

1. Journal of Materials Science: Materials in Engineering, *Springer*, January 25, 2025 – June 11, 2025.

C. Lead Guest Editor for Journals

1. "*Computational Modelling of Multifunctional Composite Materials,*" Advances in Mechanical Engineering, Publisher: Sage, 2016-2017

D. Conference Organizer

1. *38th National Conference on Mechanical Engineering of CSME* (CSME2021), Dec 3-4, 2021, Tainan, Taiwan.
2. *7th Asian-Pacific Congress on Computational Mechanics* (APCOM2019), December 17-20, 2019, Taipei, Taiwan.
3. *6th Asian Conference on Mechanics of Functional Materials and Structures* (ACMFMS2018), October 26-29, 2018, Tainan, Taiwan.

E. Mini-Symposium Organizer and Session Chair

1. "*Artificial Intelligence and Computational Modeling for Mechanics, Materials, and Complex Systems,"* The 47th National Conference on Theoretical and Applied Mechanics (CTAM 2025) & The 4th International Conference on Mechanics (ICM 2025), Nov. 21-22, 2025, Miaoli, Taiwan. (with Prof. Torbjörn Nordling and Matthew Smith)
2. "*Micromechanics Modeling of Solids,"* Association of Computational Mechanics Taiwan (ACMT 2) & The 15th Workshop on Boundary Element Methods (TWBEM 15), Oct. 5-6, 2024, Tainan, Taiwan. (with Prof. Li-Wei Tseng)
3. "*Multifunctional Composite Materials Modeling and Experiments,"* 15th World Congress on Computational Mechanics & 8th Asian Pacific Congress on Computational Mechanics (WCCM-APCOM 2022), July 31-August 5, 2022, Yokohama, Japan. (with Drs. Pradeep Gudlur and Junwei Xing)
4. "*Micromechanics,"* ASC 36th Annual Technical Conference (ASC36), Sept. 19-22, 2021, Virtual Event hosted by Texas A&M University, College Station, TX, USA. (with Dr. Brett Bednarcyk)
5. "*Multiphysics Modeling of Multifunctional Composite Materials,"* 7th Asia Pacific Congress on Computational Mechanics (APCOM2019), December 18-21, 2019, Taipei, Taiwan. (with Profs. Xinrui Niu and Yan Li)
6. "*Mechanics of Multifunctional Materials and Structures*," 2nd International Conference on Mechanics (ICM2018), October 15-18, 2018, Yilan, Taiwan.

F. Invited Session Chair

1. "*Solid Mechanics - 1*," 42th National Conference on Theoretical and Applied Mechanics (CTAM2018), Nov. 23-24, 2018, Taipei, Taiwan.
2. "*Mechanics Contact and Nonlinear Mechanics*," and "*Bio-Mechanics,*" 6th Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS2018), October 26-29, 2018, Tainan, Taiwan.

G. University and Community Services

1. Curriculum Committee, Department of Mechanical Engineering, National Cheng Kung University, 2025-2026
2. Research Planning Committee, Department of Mechanical Engineering, National Cheng Kung University, 2021-2022
3. Convener, Solid Mechanics Division, Dept. of Mechanical Engineering, National Cheng Kung University, 2020-2021
4. Review Committee, Student Exchange Programs, National Cheng Kung University, 2020
5. Academic Committee, Department of Mechanical Engineering, National Cheng Kung University, 2019-2020
6. Review Committee, Emergency Generator Maintenance, National Cheng Kung University, 2019-present
7. International Student Exchange Program committee, Department of Mechanical Engineering, National Cheng Kung University, 2019-present
8. PhD committee for (>2 student), 2018-present
9. Master of Science committee for (>30 students), 2018-present
10. Lead of Judge committee, Mechanical Engineering Project Competition, Department of Mechanical Engineering, National Cheng Kung University, June 30, 2018
11. Judge, Course of Usability and User Interface Design, Department of Industrial Design, National Cheng Kung University, May 14, 2018
12. Judge, Spring 2013 MEEN Student Poster Competition, Department of Mechanical Engineering, Texas A&M University, April 26, 2013

H. Reviewer Board Member

1. Nanomaterials (*MDPI)*, 2020-present
2. International Journal of Molecular Sciences (*MDPI)*, 2020-2024

I. Journal Reviewer

1. Acta Mechanica (*Springer*)
2. Acta Mechanica Solida Sinica (*Springer*)
3. AIMS Mathematics (*American Institute of Mathematical Sciences*)
4. Applied Mathematical Modelling (*Elsevier*)
5. Applied Sciences *(MDPI)*
6. Biomedical Engineering: Applications, Basis and Communications (*World Scientific)*
7. Cell Biochemistry & Function *(Wiley)*
8. Composite Structures (*Elsevier)*
9. Composites Science and Technology (*Elsevier)*
10. Computational Materials Science (*Elsevier)*
11. Computers & Structures (*Elsevier)*
12. Catalysts *(MDPI)*
13. Crystals *(MDPI)*
14. Current Analytical Chemistry *(Bentham Science)*

15. Energies (*MDPI)*
16. Engineering Computations (*Emerald Insight*)
17. Information *(MDPI)*
18. International Journal of Fracture (*Springer*)
19. International Journal of Mechanical Sciences (*Elsevier)*
20. International Journal of Molecular Sciences *(MDPI)*
21. Journal of Alloys and Compounds *(Elsevier)*
22. Journal of Composite Materials (*Scientific Research Publishing)*
23. Journal of Engineering Materials and Technology (ASME Digital Collection)
24. Journal of Engineering Mathematics (*Springer Nature*)
25. Journal of Intelligent Material Systems and Structures (*Sage)*
26. Journal of Magnetism and Magnetic Materials (*Elsevier*)
27. Journal of Mechanics (*Cambridge Core*)
28. Journal of Mechanics Engineering and Automation (*David Publishing Company)*
29. Journal of Mechanics in Medicine and Biology (*World Scientific)*
30. Journal of Technology Innovations in Renewable Energy (*Lifescience Global)*
31. Journal of the Chinese Institute of Engineers (Taylor & Francis)
32. Materials (*MDPI)*
33. Materials Sciences and Applications (*Scientific Research Publishing)*
34. Mathematical Problems in Engineering (*Hindawi)*
35. Measurement (*Elsevier)*
36. Mechanics of Materials (*Elsevier)*
37. Mechanics Research Communications (*Elsevier)*
38. Membranes (*MDPI)*
39. Micromachines (*MDPI)*
40. MRS Communications (*Springer*)
41. Nanomaterials (*MDPI)*
42. Nature Communications (*Nature Portfolio*)
43. Open Journal of Composite Materials (*Scientific Research Publishing)*
44. Photonics (*MDPI)*
45. Physica D: Nonlinear Phenomena (*Elsevier*)
46. Physics Letters A (*Elsevier*)
47. Polymers (*MDPI)*
48. Sensors (*MDPI)*
49. Sustainability (*MDPI)*
50. Universal Journal of Materials Science (*Horizon Research Publishing)*

and many others

J. Conference Proceeding Reviewer

1. 40th National Conference on Mechanical Engineering of CSME, Dec. 01-02, 2023, Changhua City, Taiwan.
2. 39th National Conference on Mechanical Engineering of CSME, Dec. 02-03, 2022, Maioli, Taiwan.

REFERENCES

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