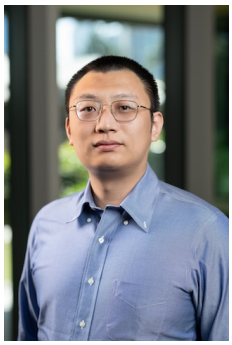
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教育背景

博士 09/2016 – 07/2020
生物力学
昆士兰科技大学（澳大利亚），机械、医疗及程序工程学院

硕士（研究型） 10/2014 – 05/2016
生物医学工程
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工学学士 09/2010 – 06/2014
核工程与核技术
重庆大学，动力工程学院

工作经历

高级讲师 10/2023 –
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博士后研究员 06/2021 – 06/2023
昆士兰科技大学（澳大利亚），机械、医疗及程序工程学院

影像科学家 08/2021 – 06/2022
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博士后研究员 06/2020 – 06/2021
昆士兰科技大学（澳大利亚），临床科学学院

教学助理 07/2018 – 06/2021
昆士兰科技大学（澳大利亚），机械、医疗及程序工程学院

荣誉职位

客座高级讲师 06/2025 –
昆士兰科技大学（澳大利亚），机械、医疗及程序工程学院

访问学者 06/2023 – 06/2025
昆士兰科技大学（澳大利亚），机械、医疗及程序工程学院

教学经历

课程主管及主讲

CSI_7_IDP，信息与数据隐私 2025 –
伦敦南岸大学（英国），计算机科学与数字技术学院

CSI_7_SYS，计算机系统，网络安全及对策 2024 –
伦敦南岸大学（英国），计算机科学与数字技术学院

CSI_6_SCS，计算机系统与网络安全 2024
伦敦南岸大学（英国），计算机科学与数字技术学院

实验/习题课程辅导

CSI_4_RAU，需求分析与以用户为中心的设计 2026 –
伦敦南岸大学（英国），计算机科学与数字技术学院

CSI_7_MAL，机器学习 2025 –
伦敦南岸大学（英国），计算机科学与数字技术学院

CSI_4_DMA，离散数学 2024
伦敦南岸大学（英国），计算机科学与数字技术学院

EGH414，应力分析 2020 – 2021
昆士兰科技大学（澳大利亚），机械、医疗及程序工程学院

EGH424，生物流体力学 2018 – 2020
昆士兰科技大学（澳大利亚），机械、医疗及程序工程学院

毕业论文指导

CSI_7_PRO，研究生毕业论文 2023 –
伦敦南岸大学（英国），计算机科学与数字技术学院

CSI_6_CSP，计算机科学毕业课题 2023 –
伦敦南岸大学（英国），计算机科学与数字技术学院

专业认证

高等教育学会会士 2025
Fellowship of the Higher Education Academy (FHEA)
AdvanceHE（英国）

获奖记录

Roland Bishop 家族生物医学工程研究奖 2021
昆士兰科技大学（澳大利亚）

院长推荐杰出博士毕业论文奖 2021
昆士兰科技大学（澳大利亚），理工学部

博士毕业阶段奖学金 2020
昆士兰科技大学（澳大利亚），理工学部

博士全额奖学金 2016
昆士兰科技大学（澳大利亚）

海外硕士研究生奖学金 2014
邓迪大学（英国）

优秀毕业生 2014
重庆大学，动力工程学院

综合奖学金 2014
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优秀学生 2013
重庆大学，动力工程学院

最快进步学生 2013
重庆大学，动力工程学院

项目基金

卓越研究基金 2025
Heart Strain Analysis through AI-driven Image Correlation Computational Method
(主持，项目周期 1 年，项目基金 10,000 英镑)
伦敦南岸大学（英国）

TPCHF & QUT CBT 联合种子基金 2025
Quantitative Assessment of Coronary Blood Flow Alterations Due to Aortic Stenosis
Grant No. CBT2025-04（参与，项目周期 1 年，项目基金 12,000 澳大利亚元）
查尔斯亲王医院基金会（澳大利亚）

合作研究扩展基金 2024
Clinical Translation of Computational Patient-specific Blood Flow Assessment
(主持，项目周期 7 个月，项目基金 5,804 英镑)
伦敦南岸大学（英国）

跳板基金 2024
Performance of Digital Volume Correlation Algorithm in Medical Imaging Analysis
(主持，项目周期 7 个月，项目基金 3,150 英镑)
伦敦南岸大学（英国）

青年工业研究员基金 2022
Advanced optical coherence tomography-based elastography (OCE) algorithm designed for strain field mapping of soft tissue
(主持，项目周期 1 年，项目基金 20,000 澳大利亚元)
昆士兰科技大学（澳大利亚），生物医疗技术研究中心

青年研究员基金 2021
The prototype development of the polarization-based optical coherence tomographic (OCT) biomechanical test system and its application on the mechanical test of multi-component plaque
(主持，项目周期 1 年，项目基金 20,000 澳大利亚元)
昆士兰科技大学（澳大利亚）

青年研究员项目基金 2019
Study of plaque rupture and erosion with an optical coherence tomography (OCT)-based patient-specific coronary model and fluid-structure interaction (FSI)
Grant No. NI2019-19（主持，项目周期 1 年，项目基金 10,000 澳大利亚元）
查尔斯亲王医院基金会（澳大利亚）

学术成果

G 谷歌学术 总引用：**758**（近五年：**708**）| H-因子：**15**（近五年：**15**）| i10-因子：**21**（近五年：**19**）

编辑书籍

1. **J. Wang**, Z. Li, C. Wu, et al., eds. ***Motion Tracking and Deformation Analysis in Biomechanics***. Frontiers Research Topics. Frontiers Media SA, 2025. ISBN: 978-2-8325-6888-0. DOI: 10.3389/978-2-8325-6888-0.

书籍章节

1. J. Benitez Mendieta†, P. K. Paritala†, **J. Wang**†, and Z. Li†. "Imaging-Based Patient-Specific Biomechanical Evaluation of Atherosclerosis and Aneurysm: A Comparison Between Structural-Only, Fluid-Only and Fluid–Structure Interaction Analysis". In: ***Computational Biomechanics for Medicine***. Ed. by P. M. Nielsen, M. P. Nash, X. Li, K. Miller, and A. Wittek. Cham: Springer International Publishing, 2022, pp. 53–74. ISBN: 978-3-031-09327-2. DOI: 10.1007/978-3-031-09327-2_4.

期刊论文

·第一作者/通讯作者·

1. R. Fang, J. Mao, Q. Chen, et al. (and **J. Wang***). "A Proof-of-Concept CFD Study of Intranasal Airflow Under Different Breathing Routes and Airway Collapse Conditions". In: ***Bioengineering*** 13.11 (10, 2026), p. 1330. DOI: 10.3390/bioengineering13111330.
2. H. Wu†, **J. Wang**†, Z. Zhu, et al. "Impact of Multiplicative Noise Removal on Digital Volume Correlation-Based Optical Coherence Elastography". In: ***Optics and Lasers in Engineering*** 193 (2025), p. 109097. DOI: 10.1016/j.optlaseng.2025.109097.
3. **J. Wang***, C. Wu, Q. Huang, et al. "Editorial: Motion Tracking and Deformation Analysis in Biomechanics". In: ***Frontiers in Bioengineering and Biotechnology*** 13 (2025), p. 1691342. DOI: 10.3389/fbioe.2025.1691342.
4. **J. Wang**†,*, H. Wu†, Z. Zhu, et al. "Impact of Speckle Deformability on Digital Imaging Correlation". In: ***IEEE Access*** 12 (2024), pp. 66466–66477. DOI: 10.1109/ACCESS.2024.3398786.
5. **J. Wang***, R. Zietal, A. Arase, et al. "Computer-Assisted Pre-Operative Automatic Segmentation and Registration Tool for Malunited Radius Osteotomy: A Proof-of-Concept Study". In: ***Results in Engineering*** 19 (2023), p. 101295. DOI: 10.1016/j.rineng.2023.101295.
6. **J. Wang***, R. Fang, H. Wu, et al. "Impact of Cyclic Bending on Coronary Hemodynamics". In: ***Biomechanics and Modeling in Mechanobiology*** 22 (2023), pp. 729–738. DOI: 10.1007/s10237-022-01677-z.
7. H. Wu†, **J. Wang**†, J. A. Amaya Catano, C. Sun, and Z. Li. "Optical Coherence Elastography Based on Inverse Compositional Gauss-Newton Digital Volume Correlation with Second-Order Shape Function". In: ***Optics Express*** 30.23 (2022), pp. 41954–41968. DOI: 10.1364/OE.473898.
8. **J. Wang**, J. B. Mendieta, P. K. Paritala, et al. "Case Report: Evaluating Biomechanical Risk Factors in Carotid Stenosis by Patient-Specific Fluid-Structural Interaction Biomechanical Analysis". In: ***Cerebrovascular Diseases*** 50.3 (2021), pp. 262–269. DOI: 10.1159/000514138.
9. **J. Wang**, P. K. Paritala, J. B. Mendieta, et al. "Optical Coherence Tomography-Based Patient-Specific Coronary Artery Reconstruction and Fluid–Structure Interaction Simulation". In: ***Biomechanics and Modeling in Mechanobiology*** 19.1 (2020), pp. 7–20. DOI: 10.1007/s10237-019-01191-9.
10. **J. Wang**, P. K. Paritala, J. B. Mendieta, et al. "Carotid Bifurcation With Tandem Stenosis—A Patient-Specific Case Study Combined in Vivo Imaging, in Vitro Histology and in Silico Simulation". In: ***Frontiers in Bioengineering and Biotechnology*** 7 (2019), p. 349. DOI: 10.3389/fbioe.2019.00349.

·其他作者·

11. N. M. Castoldi, E. Pickering, **J. Wang**, et al. "Assessment of Vertebral Body Bone Quality in Adolescent Idiopathic Scoliosis (AIS) Using Micro-CT, qBEI, and Nanoindentation—A Case Study". In: ***JOR SPINE*** 9.3 (2026), e70217. DOI: 10.1002/jsp2.70217.
12. Y. Ren, S. Guo, **J. Wang**, and C. Zhang. "Bulk Photovoltaic Effects in Fully Compensated Ferrimagnets". In: ***Physical Review B*** 114.15 (21, 2026), p. 154420. DOI: 10.1103/hl7j-r85w.
13. K. Hu, P. Qiu, X. Wang, et al. (incl. **J. Wang**). "Investigating the Impact of Collateral Circulation Pathways on Hemodynamics in Iliac Vein Compression Syndrome". In: ***Frontiers in Bioengineering and Biotechnology*** 14 (2026), p. 1812311. DOI: 10.3389/fbioe.2026.1812311.
14. H. Xie, Q. Huang, H. Yu, et al. (incl. **J. Wang**). "Digital Twin for Atrial Fibrillation: Fundamentals, Current Advances, Challenges and Future Perspectives". In: ***Information Fusion*** 128 (2026), p. 103957. DOI: 10.1016/j.inffus.2025.103957.
15. H. Wu, **J. Wang**, H. Xie, et al. "Strain Analysis of Intracranial Aneurysms for Characterization of Irregular Pulsation from 4D-CT Angiography". In: ***Journal of Biomechanics*** (2026), p. 113166. DOI: 10.1016/j.jbiomech.2026.113166.
16. H. Yu, H. Xie, Z. Wang, et al. (incl. **J. Wang**). "Three-Dimensional Left Atrial Strain Analysis in Patients with Atrial Fibrillation for Stroke Risk Evaluation: A Comparison between Patients with and without Stroke History". In: ***Journal of Biomechanics*** (2025), p. 112981. DOI: 10.1016/j.jbiomech.2025.112981.
17. L. Wei, K. Hu, **J. Wang**, et al. "Validation of the Efficacy of the Porous Medium Model in Hemodynamic Analysis of Iliac Vein Compression Syndrome". In: ***Frontiers in Bioengineering and Biotechnology*** 12 (2025), p. 1481336. DOI: 10.3389/fbioe.2024.1481336.

18. R. Fang, Z. Wang, **J. Wang**, et al. "Patient-Specific Pulmonary Venous Flow Characterization and Its Impact on Left Atrial Appendage Thrombosis in Atrial Fibrillation Patients". In: ***Computer Methods and Programs in Biomedicine*** 257 (2024), p. 108428. DOI: 10.1016/j.cmpb.2024.108428.

19. H. Yu, Z. Wang, H. Wu, et al. (incl. **J. Wang**). "In-Vivo Left Atrial Surface Motion and Strain Measurement Using Novel Mesh Regularized Image Block Matching Method with 4D-CTA". In: ***Journal of Biomechanics*** 176 (2024), p. 112354. DOI: 10.1016/j.jbiomech.2024.112354.

20. H. Xie, H. Yu, H. Wu, et al. (incl. **J. Wang**). "Quantifying Irregular Pulsation of Intracranial Aneurysms Using 4D-CTA". In: ***Journal of Biomechanics*** 174 (2024), p. 112269. DOI: 10.1016/j.jbiomech.2024.112269.

21. Z. Zhu, **J. Wang**, H. Wu, et al. "Performance Test of Digital Volume Correlation on Tracking Left Atrium Motion from Cardiac CT". In: ***Acta Mechanica Sinica*** 41.4 (2024), p. 624216. DOI: 10.1007/s10409-024-24216-x.

22. H. Xie, H. Wu, **J. Wang**, et al. "Constrained Estimation of Intracranial Aneurysm Surface Deformation Using 4D-CTA". In: ***Computer Methods and Programs in Biomedicine*** 244 (2024), p. 107975. DOI: 10.1016/j.cmpb.2023.107975.

23. Y. Xiang, J. B. Mendieta, **J. Wang**, et al. "Differences in Carotid Artery Geometry and Flow Caused by Body Postural Changes and Physical Exercise". In: ***Ultrasound in Medicine & Biology*** 49.3 (2023), pp. 820–830. DOI: 10.1016/j.ultrasmedbio.2022.11.009.

24. A. Tukova, Y. Nie, M. Tavakkoli Yaraki, et al. (incl. **J. Wang**). "Shape Dependent Protein-Induced Stabilization of Gold Nanoparticles: From a Protein Corona Perspective". In: ***Aggregate*** (2023), e323. DOI: 10.1002/agt2.323.

25. J. B. Mendieta, D. Fontanarosa, **J. Wang**, et al. "MRI-based Mechanical Analysis of Carotid Atherosclerotic Plaque Using a Material-Property-Mapping Approach: A Material-Property-Mapping Method for Plaque Stress Analysis". In: ***Computer Methods and Programs in Biomedicine*** (2023), p. 107417. DOI: 10.1016/j.cmpb.2023.107417.

26. P. K. Paritala, H. Anbananthan, J. Hautaniemi, et al. (incl. **J. Wang**). "Reproducibility of the Computational Fluid Dynamic Analysis of a Cerebral Aneurysm Monitored over a Decade". In: ***Scientific Reports*** 13.1 (2023), p. 219. DOI: 10.1038/s41598-022-27354-w.

27. Y. Xiang, X. Huang, J. Benitez Mendieta, et al. (incl. **J. Wang**). "The Need to Shift from Morphological to Structural Assessment for Carotid Plaque Vulnerability". In: ***Biomedicines*** 10.12 (2022), p. 3038. DOI: 10.3390/biomedicines10123038.

28. K. Xia, H. Zhan, J. Shao, et al. (incl. **J. Wang**). "Atomistic Investigation of Titanium Carbide Ti8C5 under Impact Loading". In: ***Metals*** 12.11 (2022), p. 1989. DOI: 10.3390/met12111989.

29. L. Wang, **J. Wang**, Q. Chen, et al. "How Getting Twisted in Scaffold Design Can Promote Bone Regeneration: A Fluid-Structure Interaction Evaluation". In: ***Journal of Biomechanics*** 145 (2022), p. 111359. DOI: 10.1016/j.jbiomech.2022.111359.

30. W. Gao, L. Xiao, **J. Wang**, et al. "The Hollow Porous Sphere Cell Carrier for the Dynamic 3D Cell Culture". In: ***Tissue Engineering. Part C, Methods*** 28.11 (2022), pp. 610–622. DOI: 10.1089/ten.TEC.2022.0137.

31. R. Fang, Z. Wang, X. Zhao, et al. (incl. **J. Wang**). "Stroke Risk Evaluation for Patients with Atrial Fibrillation: Insights from Left Atrial Appendage with Fluid-Structure Interaction Analysis". In: ***Computers in Biology and Medicine*** 148 (2022), p. 105897. DOI: 10.1016/j.compbiomed.2022.105897.

32. L. Wei, **J. Wang**, Q. Chen, and Z. Li. "Impact of Stent Malapposition on Intracoronary Flow Dynamics: An Optical Coherence Tomography-Based Patient-Specific Study". In: ***Medical Engineering & Physics*** 94 (2021), pp. 26–32. DOI: 10.1016/j.medengphy.2021.06.002.

33. P. K. Paritala, T. Yarlagadda, J. B. Mendieta, et al. (incl. **J. Wang**). "Plaque Longitudinal Heterogeneity in Morphology, Property, and Mechanobiology". In: ***Cerebrovascular Diseases*** 50.5 (2021), pp. 510–519. DOI: 10.1159/000515690.

34. J. Benitez, D. Fontanarosa, **J. Wang**, et al. "Evaluating the Impact of Calcification on Plaque Vulnerability from the Aspect of Mechanical Interaction Between Blood Flow and Artery Based on MRI". In: ***Annals of Biomedical Engineering*** 49.4 (2021), pp. 1169–1182. DOI: 10.1007/s10439-020-02655-1.

35. Y. Charles Zhao, P. Vatankhah, T. Goh, et al. (incl. **J. Wang**). "Computational Fluid Dynamics Simulations at Micro-Scale Stenosis for Microfluidic Thrombosis Model Characterization". In: ***Molecular & Cellular Biomechanics*** 18.1 (2021), pp. 1–10. DOI: 10.32604/mcb.2021.012598.

36. J. B. Mendieta, D. Fontanarosa, **J. Wang**, et al. "The Importance of Blood Rheology in Patient-Specific Computational Fluid Dynamics Simulation of Stenotic Carotid Arteries". In: ***Biomechanics and Modeling in Mechanobiology*** 19.5 (2020), pp. 1477–1490. DOI: 10.1007/s10237-019-01282-7.

37. C. He, **J. Wang**, Y. Yin, and Z. Li. "Automated Classification of Coronary Plaque Calcification in OCT Pullbacks with 3D Deep Neural Networks". In: ***Journal of Biomedical Optics*** 25.09 (2020), p. 095003. DOI: 10.1117/1.JBO.25.9.095003.

38. C. He, Z. Li, **J. Wang**, et al. "Atherosclerotic Plaque Tissue Characterization: An OCT-Based Machine Learning Algorithm With Ex Vivo Validation". In: ***Frontiers in Bioengineering and Biotechnology*** 8 (2020), p. 749. DOI: 10.3389/fbioe.2020.00749.

39. P. Kumari Paritala, T. Yarlagadda, J. Benitez Mendieta, et al. (incl. **J. Wang**). "Characterization of the Atherosclerotic Plaque Tissue". In: ***Advanced Materials Letters*** 11.5 (2020), pp. 1–7. DOI: 10.5185/amlett.2020.051507.

40. P. K. Paritala, P. K. D. V. Yarlagadda, R. Kansky, et al. (incl. **J. Wang**). "Stress-Relaxation and Cyclic Behavior of Human Carotid Plaque Tissue". In: ***Frontiers in Bioengineering and Biotechnology*** 8 (2020), p. 60. DOI: 10.3389/fbioe.2020.00060.

41. Y. Huang, C. He, **J. Wang**, et al. "Intravascular Optical Coherence Tomography Image Segmentation Based on Support Vector Machine Algorithm". In: ***Molecular & Cellular Biomechanics*** 15.2 (2018), pp. 117–125. DOI: 10.3970/mcb.2018.02478.

42. P. K. Paritala, P. K. Yarlagadda, **J. Wang**, Y. Gu, and Z. Li. "Numerical Investigation of Atherosclerotic Plaque Rupture Using Optical Coherence Tomography Imaging and XFEM". In: ***Engineering Fracture Mechanics*** 204 (2018), pp. 531–541. DOI: 10.1016/j.engfracmech.2018.11.002.

43. A. Muhammad, Q. Liao, H. Wang, et al. (incl. **J. Wang**). "Transient Heat Transfer Performance of Stainless Steel Structured Surfaces Combined with Air-Water Spray Evaporative Cooling at High Temperature Scenarios". In: ***Applied Thermal Engineering*** 115 (2017), pp. 418–434. DOI: 10.1016/j.applthermaleng.2016.12.126.

44. C. He, **J. Wang**, Y. Huang, et al. "The Correlation Between Texture Features and Fibrous Cap Thickness of Lipid-Rich Atheroma Based on Optical Coherence Tomography Imaging". In: ***Molecular & Cellular Biomechanics*** 13.1 (2016), pp. 23–36. DOI: 10.3970/mcb.2016.013.027.

会议论文

·第一作者/通讯作者·

1. **J. Wang***, X. Xiao, Z. Huang, and A. Melzer. "3D-printing Based Transducer Holder for Robotic Assisted Ultrasound Guided HIFU". In: ***Procedia Manufacturing*** 30 (2019), pp. 3–10. DOI: 10.1016/j.promfg.2019.02.002.

2. **J. Wang**, X. Xiao, R. Duncan, et al. "Thiel Soft Embalmed Porcine Kidney Perfusion Model for Focused Ultrasound Therapy". In: ***2015 IEEE International Ultrasonics Symposium (IUS)***. Taipei, Taiwan: IEEE, 2015, pp. 1–4. ISBN: 978-1-4799-8182-3. DOI: 10.1109/ULTSYM.2015.0506.

·其他作者·

3. P. K. Paritala, T. Yarlagadda, **J. Wang**, Y. T. Gu, and Z. Li. "Prediction of Atherosclerotic Plaque Life – Perceptions from Fatigue Analysis". In: ***Procedia Manufacturing*** 30 (2019), pp. 522–529. DOI: 10.1016/j.promfg.2019.02.073.

会议摘要

1. H. Wu, **J. Wang**, Z. Zhu, and Z. Li. "Computational Strain Analysis of Intracranial Aneurysm Based on 4D CT Angiographic Sequence". In: ***Cerebrovascular Diseases***. Vol. 52. 2023, pp. 240–240.

2. **J. Wang**, T. Barrick, M. Hall, et al. "Mathematically Constrained Intravoxel Incoherent Motion (IVIM)". In: ***Joint Annual Meeting ISMRM-ESMRMB ISMRT 31st Annual Meeting***. London, England, UK, 2022, p. 3043. DOI: 10.58530/2022/3043.

3. E. Pickering, **J. Wang**, L. Stickel, et al. "Assessment of Trabecular Bone Adaptation in Adolescent Idiopathic Scoliosis Due to Altered Bone Loading". In: ***12th Australasian Biomechanics Conference***. 2021, p. 98.

学术会议

The 9th Asian Pacific Congress on Computational Mechanics / The 7th Australasian Conference on Computational Mechanics (APCOM-ACCM 2025)（澳大利亚布里斯班市） 12/2025

The 16th International Conference on Computational Methods (ICCM2025)（中国杭州市） 09/2025

The 9th World Congress of Biomechanics (WCB 2022)（中华台北市） 07/2022

Optical coherence elastography based on inverse compositional Gauss-Newton digital volume correlation with second-shape function

（演讲）
Patient-specific Coronary with Non-linear Cyclic Bending Achieved by Fluid-structure Interactive Model（壁报）

2022 Annual Meeting International Society for Magnetic Resonance in Medicine (ISMRM)（英国伦敦市） 05/2022
Mathematically Constrained Intravoxel Incoherent Motion (IVIM)（数字壁报）

2019 The Australian Vascular Biology Society (AVBS) Scientific Meeting（澳大利亚悉尼市） 09/2019
Carotid Bifurcation with Tandem Stenosis –A Patient-specific Case Study Combined Imaging, Histology and Computational Simulation（壁报）

Nature Biomimetics in Bioengineering 2019（澳大利亚布里斯班市） 08/2019
OCT-based 3D Patient-specific Coronary Reconstruction and FSI Simulation（壁报）

Inaugural Herston Biofabrication Institute Conference（澳大利亚布里斯班市） 03/2019
Optical Coherence Tomography (OCT)-Based Patient-Specific Coronary Artery Reconstruction and Fluid-Structure Interaction (FSI) Simulation (Poster)

Global Congress on Manufacturing and Management (GCMM)（澳大利亚布里斯班市） 12/2018
OCT-based 3D Patient-specific Coronary Reconstruction for Fluid-structure Interaction (FSI) Simulation（演讲）

2018 The Australian Vascular Biology Society (AVBS) Scientific Meeting（澳大利亚阿德莱德市） 11/2018
OCT-based 3D Patient-specific Coronary Reconstruction and Fluid-structure Interaction (FSI) Simulation（演讲）

2015 IEEE International Ultrasonics Symposium (IUS)（中华台北市） 10/2015
Thiel Soft Embalmed Porcine Kidney Perfusion Model for Focused Ultrasound Therapy（壁报）

The 23rd Congress of the European Association of Endoscopic Surgery (EAES)（罗马尼亚布加勒斯特市） 06/2015
Robotic Assisted Ultrasound Guided HIFU（壁报）

导师经历

博士研究生（在读）

Mr Eric Chigozirim Obioma（副导师） 2026 –
Advancing Biochar Microbiome Engineering with Computer Vision
伦敦南岸大学（英国），计算机科学与数字技术学院

Ms Chengxi Li（主导师） 2025 –
Image-based Displacement and Strain Analysis in Cardiovascular Diseases
伦敦南岸大学（英国），计算机科学与数字技术学院

Mr Bisi Bode Kolawole（副导师） 2025 –
Endoscopy Image Analysis in Inflammatory Bowel Disease (project commenced in 2022)
伦敦南岸大学（英国），计算机科学与数字技术学院

Mr Chenrui Qiu（副导师） 2024 –
Intelligent solutions for scalable, mission-critical 6G networks
伦敦南岸大学（英国），计算机科学与数字技术学院

学术服务

期刊编辑

副编辑，Frontiers in Bioengineering and Biotechnology 2025 –
Innovative Measurement Techniques in Tissue Biomechanics: From Cellular to Whole-Body Models

青年编委，International Journal of Fluid Engineering (IJFE) 2025 –

评审编辑，Frontiers in Bioengineering and Biotechnology 2024 – 2025
Motion Tracking and Deformation Analysis in Biomechanics

客座编辑，Frontiers in Stroke 2024 – 2025
Fluid-structural Interactive Modeling of Vascular Mechanics and Cerebral Hemodynamics

评议委员会

技术委员会审稿成员 2026
The IEEE 23rd International Symposium on Biomedical Imaging (ISBI)（英国伦敦市）

技术项目委员会成员 2024
The 5th International Conference on Medical Imaging and Computer-Aided Diagnosis (MICAD 2024)（英国曼彻斯特市）

会务组成员 2022
The 2022 Conference on Integration of Data Science, Information Management and Digital Technology into Health and Medical Research Beijing International Frontier Science Dialogue（澳大利亚黄金海岸市）

分会场主持 2022
The 9th World Congress of Biomechanics (WCB 2022)（中华台北市）

科研项目评审 2021
EU Partnership For Advanced Computing in Europe (PRACE) 24th Call for Project（欧盟）

会议投稿评审 2021
The 26th Congress of the European Society of Biomechanics（意大利米兰市）

编辑委员会成员，分会场副主席 2018
Global Congress on Manufacturing and Management (GCMM)（澳大利亚布里斯班市）

期刊评审

Acta Biomaterialia
Applied Thermal Engineering
Archives of Computational Methods in Engineering
Biomechanics and Modeling in Mechanobiology
BioMedical Engineering OnLine
BMC Cardiovascular Disorders
Clinical Neurology and Neurosurgery
Clinical and Translational Medicine
Cogent Engineering
Computers in Biology and Medicine
Computer Methods in Biomechanics & Bio Engineering
Computer Methods and Programs in Biomedicine
Frontiers in Bioengineering and Biotechnology
Frontiers in Neurology
Frontiers in Physiology
Frontiers in Radiology
Heliyon
International Journal for Numerical Methods in Biomedical Engineering
Journal of Biomechanics
Journal of Biophotonics
Journal of Cardiothoracic Surgery
Journal of Clinical Medicine
Medical Engineering and Physics
Medical Physics
npj Cardiovascular Health
PeerJ
Physics of Fluids
Scientific Reports