



您所在的位置： 首页 › 师资情况 › 教师详细信息

返回



男，1968年生。分别于1990年7月，1991年7月和1995年3月，在清华大学工程力学系获工学学士、硕士和博士学位。1995年6月—1997年6月，在清华大学核能技术设计研究院做博士后。1997年9月—1999年4月，获联邦德国洪堡奖学金，在Darmstadt工业大学力学研究所和荷兰Delft工业大学任洪堡研究员。1999年5月—2001年7月，在清华大学工程力学系任副教授。

现任清华大学工程力学系生物力学与医学工程研究所所长、中国力学学会秘书长、《Engineering Fracture Mechanics》、《Acta Mechanica Sinica》、《Archive of Applied Mechanics》、《International Journal of Applied Mechanics》、《Molecular and Cellular Biomechanics》、《Multidiscipline Modeling in Materials and Structures》、《固体力学学报》（中英文版）、《应用力学学报》等期刊编委。

主要从事固体力学和生物力学的研究工作，包括微纳米力学、生物材料力学与仿生、细胞力学、细观损伤与断裂力学等方面。已发表专著2部，SCI论文160余篇。曾获全国优秀博士学位论文奖（1999）、教育部跨世纪优秀人才基金（2000）、霍英东教育基金会第九届高等院校青年教师研究基金（一等，2004）、国家杰出青年科学基金（2005）、清华大学优秀青年教师奖（2005）、第十届中国青年科技奖（2007）、中国高校自然科学一等奖（2008）等奖励。

教育背景

- 1985.9 ~ 1990.7 在清华大学工程力学系读本科，获工学学士学位；
- 1990.9 ~ 1991.7 在清华大学工程力学系读硕士，获工学硕士学位；
- 1991.9 ~ 1995.3 在清华大学工程力学系读博士，获工学博士学位；

工作经历

- 1995.6 ~ 1997.7 在清华大学核能技术设计研究院，做博士后；
- 1997.9 ~ 1998.12 获联邦德国洪堡奖学金，在Darmstadt工业大学力学研究所任洪堡研究员；
- 1999.1 ~ 1999.4 获联邦德国洪堡奖学金，在荷兰Delft工业大学任洪堡研究员；
- 1999.5 ~ 2001.7 在清华大学工程力学系，任副教授；
- 2001.1 ~ 2001.4 在澳大利亚悉尼大学先进材料技术中心，任访问学者；
- 2001.8 ~ 至今 在清华大学工程力学系，任教授；2002年4月起，任博士生导师；
- 2001.12 ~ 2002.3 在美国伊利诺依大学厄尔巴纳—尚佩恩分校(UIUC)访问研究；

2002.9 ~ 2002.10 在德国马克斯·普朗克金属研究所访问研究；

2004.8 ~ 2005.2 在香港科技大学机械工程系访问研究；

2006.7 ~ 2006.8 在澳大利亚悉尼大学先进材料技术中心，任访问教授；

学术兼职

2002.11 ~ 2006.11 任中国力学学会第七届理事会副秘书长



清华大学百年校庆
TSINGHUA UNIVERSITY
CENTENARY CELEBRATION

SEARCH

2004.1 ~ 至今	任《固体力学学报》和《Acta Mechanica Sinica》编委。
2004.7 ~ 至今	任期刊《Multidiscipline Modeling in Materials and Structures》编委
2005.1 ~ 至今	任北京市生物医学工程学会生物力学专业委员会委员
2005.2 ~ 至今	任国际期刊《Engineering Fracture Mechanics》编委和中国地区副主编
2006.4~ 2011.3	教育部高等学校教学指导委员会委员
2006.10 ~至今	任中国力学学会常务理事
2007.10 ~ 至今	任期刊《Acta Mechanica Sinica》编委
2007.6 ~ 2011.5	任中国力学学会第六届青年工作委员会主任委员
2008.7 ~ 至今	任期刊《Archive of Applied Mechanics》编委
2011.01 ~ 至今	任期刊《International Journal of Applied Mechanics》编委
2010.01 ~ 至今	任期刊《应用力学学报》编委
2010~ 2014	国家自然科学基金委数理学部力学学科评审组成员
2010.01 ~ 至今	任期刊《Molecular and Cellular Biomechanics》编委
2010.10 ~ 2014.9	任中国力学学会第九届理事会秘书长

研究领域

- 1.生物材料力学
- 2.微纳米力学
- 3.细胞力学
- 4.损伤与断裂力学

研究概况

主要从事固体力学和生物力学的研究工作，包括微纳米力学、生物材料力学与仿生、细胞力学、细观损伤与断裂力学等方面。已发表专著2部，SCI论文160余篇。

奖励与荣誉

- 1.“岩体宏细观损伤力学研究”获中国岩石力学与工程学会自然科学奖特等奖（2010）
- 2.第十届中国力学学会青年科技奖（2009）
- 3.第11批长江学者特聘教授（2008）
- 4.“准脆性材料的宏细观损伤力学研究”获中国高校自然科学一等奖（2008）
- 5.Endeavour Executive Award of Australia (2008)
- 6.第十届中国青年科技奖（2007）
- 7.国家自然科学基金委员会杰出青年科学基金（2005）
- 8.霍英东教育基金会第九届高等院校青年教师基金（2003）
- 9.全国优秀博士学位论文奖（1999）

10.教育部跨世纪优秀人才基金 (2000)

11. “准脆性材料的微裂纹扩展区损伤理论”获中国高校自然科学二等奖 (2000)

12.联邦德国洪堡奖学金 (1997 - 1999)

学术成果

论文发表目录

1. S. W. Yu and X. Q. Feng, *Damage Mechanics*, Tsinghua University Press, Beijing, 1997, (in Chinese).
2. X. Q. Feng and S. W. Yu, *Damage Micromechanics of Quasi-Brittle Solids*, Higher Education Press, Beijing, 2002, (in Chinese).
3. Bo Li, Yan-Ping Cao, and Xi-Qiao Feng. Growth and surface folding of esophageal mucosa: A biomechanical model. *Journal of Biomechanics*, 2011, Vol. 44, No. 1, pp. 182 - 188. (DOI: 10.1016/j.jbiomech.2010.09.007)
4. Yuan-Tong Gu, W. Wang, L. C. Zhang, and Xi-Qiao Feng. An enriched radial point interpolation method (e-RPIM) for analysis of crack tip fields. *Engineering Fracture Mechanics*, 2011, Vol. 78, No. 1, pp. 175 - 190. (DOI: 10.1016/j.engfracmech.2010.10.014)
5. Bing-Wei Li, Hong-Ping Zhao, and Xi-Qiao Feng. Static and dynamic mechanical properties of cattle horns, *Materials Science and Engineering C - Biomimetic and Supramolecular Systems*, 2007, Vol. 31, No. 2, pp. 179 - 183. (DOI: 10.1016/j.msec.2010.08.016)
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7. G. K. Xu, X. Q. Feng, and S. W. Yu, Controllable nanostructural transitions in grafted nanoparticle-block copolymer composites, *Nano Research*, 2010, Vol. 3, No. 5, pp. 356 - 362. (DOI: 10.1007/s12274-010-1039-8)
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9. X. Q. Feng, X. Y. Wang, Y. F. Shi, S. W. Yu and Q. Yang, Dislocation-based semi-analytical method for calculating stress intensity factors of cracks: Two-dimensional cases. *Engineering Fracture Mechanics*, 2010, Vol. 77, No. 18, pp. 3521 - 3531. (DOI: 10.1016/j.engfracmech.2010.03.004)
10. X. Q. Feng and S. W. Yu, Damage micromechanics for constitutive relations and failure of microcracked quasi-brittle materials, *International Journal of Damage Mechanics*, 2010, Vol. 19, No. 1, pp. 1 - 17. (DOI: 10.1177/1056789509359662)
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12. Y. Li, X. Q. Feng, Y. P. Cao and H. Gao, A Monte Carlo form-finding method for large scale regular and irregular tensegrity structures, *International Journal of Solids and Structures*, 2009, Vol. 47, No. 14 - 15, pp. 1888 - 1898. (DOI: 10.1016/j.ijsolstr.2010.03.026)
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15. B. W. Li, H. P. Zhao, X. Q. Feng, W. W. Guo, and S. C. Shan, Experimental study on the mechanical properties of the horn sheaths from cattle, *Journal of Experimental Biology*, Vol. 213, No. 3, pp. 479 - 486. (DOI: 10.1242/jeb.035428)
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