

Personal information

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Nationality Chinese
Date of birth 31 Aug., 1989



Education experience

Sep. 2014– present **Université Libre de Bruxelles**, Brussels, Belgium
Active Structures Laboratory
PhD student of department of mechanical engineering and robotics
(Supervisor: Prof. André PREUMONT and Prof. Michel KINNAERT)
Sep. 2011- Jan. 2014 **Tianjin University**, Tianjin, P.R.China
State Key Laboratory of Engines
Master of Engineering, Specialty: Power Machinery and Engineering
Feb. 2009- Jun. 2011 **Huazhong University of Science and Technology**, Wuhan, Hubei, P.R.China
School of Foreign Languages
Bachelor of Arts, Specialty: German
Jul. 2009- Jun. 2011 **Wuhan University of Technology**, Wuhan, Hubei, P.R.China
School of Automotive Engineering
Bachelor of Engineering, Specialty: Thermal Energy and Power Engineering

Project experience

"**Multilayer Adaptive Thin Shell Reflectors for Future Space Telescopes**", ESA Project(MATS RFQ 3-14210/14/PA/NL) from European space agency (Participation)
"**Research on Control Technique of Vibration and Noise of Engine**", National 863 High Technology R&D Program (No. 2012AA1117064) from Ministry of Science and Technology of P.R. China (Participation)

Honors & Awards

2014 **CSC PhD candidate scholarship**, awarded by China Scholarship Council (No. 201406250021)
2011 **Principal level scholarships of 'Fast gear'**, awarded by Wuhan University of Technology and Shaanxi Fast Gear Co.,Ltd.
2009 **National scholarship**, awarded by the Ministry of Education of P.R.China (No. 12813)
2008 **National scholarship**, awarded by the Ministry of Education of P.R.China (No. 12948)

Computer skills

Informatics MS Windows, MS Office, Coreldraw
Programming Matlab/Simulink, Maple, C/C++
Technical software Samcef(F.E. Analysis), Patran/Nastran(F.E. Analysis), ANSYS Fluent(CFD Analysis),

Other Isight(Optimization), NI Multisim(circuit analysis), SolidEdge (CAD), PTC Creo (CAD), GT-Power(Engine performance simulation)
Computer Hardware and Support

Languages

English, Chinese (Mother tongue), German (Passive)

Publications

- Alaluf, D., Bastaits, R., Wang, K., Horodinca, M., Burda, I., Martic, G., Preumont, A., *Bimorph Mirrors for Adaptive Optics in Space Telescopes*, SPIE Astronomical Telescopes Conference, Edinburgh, July 2016.
- Preumont, A., Alaluf, D., Wang, K., Rodrigues, G., *Adaptive Thin Shell Reflectors for Future Space Telescopes*, European Conference on Spacecraft Structures Materials and Environmental Testing, Toulouse, September 2016
- Zhang, J., Guo, P., Lin, J., Wang, K., *A mathematical model for coupled vibration system of road vehicle and coupling effect analysis*, Applied Mathematical Modelling 40, no. 2 (2016): 1199-1217.
- Zhang, J., Wang, K., Bi, F., Guo, P., He, Z., *Analysis and Optimization of Coupled Vibration System for Vehicle Based on State Space* (in Chinese), Chinese Mechanical Engineering 25, no. 21 (2014): 2975-2981.
- He, Z., Zhang, J., Li, Z., Ba, L., Zhang, G., Wang, K., Lu, X., *Inter-asperity cavitation for misalignment journal lubrication problem based on mass-conservative algorithm*, Journal of Zhejiang University-SCIENCE A (Applied Physics & Engineering) 14, no. 9 (2013): 642-656.
- Zhang, J., Li, L., Liu, H., Wang, J., Wang, K., *Identification of Diesel Engine Noise Source Based on Empirical Mode Decomposition and Independent Component Analysis Using EMD-ICA* (in Chinese), Transactions of CSICE 6 (2012): 010.
- Wang, K., Hou, X., Yan, S., Yu, Q., Xu, N., *Study of Combustion Characteristics of Natural Gas Based on Fluent* (in Chinese), Automobile Science and Technology 3 (2011): 12-14.
- Hou X., Wang K., Yan, S., Yu, Q., Xu, N., *Simulation on Fuel Switching of Gasoline/CNG Bi-fuel Automobile* (in Chinese), Journal of Wuhan University of Technology (Information and Management Engineering) 33, no. 1 (2011): 55-57.

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