RESUME

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EDUCATION

1991	Ph.D , Physical Remote Sensing, 7th University of Paris
1988	Master Degree in Physical Remote Sensing , 7th University of Paris
1987	Master Degree in Remote Sensing Application, 6th University of Paris
1982	Bachelor of Engineering, Wuhan Technical University of Surveying and Mapping, China

ACADEMIC POSITIONS

2007 - present	Director , Institute of Remote Sensing Applications, CAS
2005 - 2007	Executive Director, Institute of Remote Sensing Applications, CAS
2007 – present	Guest Professor, Henan Polytechnic University
2004 – present	Guest Professor, University of Electronic Science and Technology of China
2002 – present	Visiting senior fellow, PhD supervisor of Anhui Institute of Optics and Fine Mechanics of Chinese Academy of Science
1999 – present	Guest professor of the State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing of Wuhan University, China
2004 - present	Director of Demonstration Center for Spaceborne Remote Sensing, National Space Administration, CNSA, China
2004 - present	Member of "CAS Hundred Talents" project
2003- present	Professor, Institute of Remote Sensing Applications, Chinese Academy of Science
1993-2006	Research Scientist, National Institute for Agricultural Research (INRA), French
1991-1993	Postdoctoral Researcher, National Institute for Agricultural Research (INRA), French
1982-1986	Assistant Engineer , State Bureau of Surveying and Mapping, China

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member of Editorial Board of Science in China
- Member of Editorial Borad of Remote Sensing Information, China
- Member of Editorial Borad of Journal of Atmospheric and Environmental Optics
- Academician of International Academy of Astronautics
- Vice Chair of Executive Committee UN GAID Global Alliance for Enhancing Access to and Application of Scientific Data in Developing Countries(e-SDDC)
- Vice Chair of National committee of China, International Society For Digital Earth
- Member of expert committee of extending application for CBERS, China
- Assistant Leader of the Environment & Disaster-decreasing Satellite Constellation Workgroup
- Member of the committee of State Key Laboratory of Remote Sensing Science, China

- Member of the committee of the Peking University. Space Information Integration and 3S Application Laboratory
- Member of 973 project expert team for 'Earth observation data-space information-geographical knowledge transferring mechanism', China
- Member of the leader group for pre-development of the 《Airborne Remote Sensing System》Project which belongs to the Great Science Project of Chinese Academy of Science
- Member of the Space Remote Sensing Committee of Chinese Society of Astronautics
- Leader of Application Design Group, The National Big Project "High Resolution System for Earth Observation ", China

HONORS AND AWARDS

- State-Council Allowance Obtained Expert, China
- "Science and Technology Development Prize"， Ministry of Science and Technology, P.R.C
- Excellent worker of national spaceflight, China National Space Administration

PUBLICATIONS

Special Issues with Refereed Journals:

Special issue about the CBERS quantitative applications were published on 'Chinese science E' in 2005 and 'Journal of RS' in 2006

Refereed Journal Articles (From 2000):

SCI:

[1] Gu Xingfa, Tian Guoliang, Li Xiaowen and Guo Jianning. The quantification of remote sensing. Science in China (Series E: Englineering & Materials Science), 2005,48(supp.):1-11;

[2] Xiaoying Li, Xingfa Gu, Tao Yu. In-flight MTF measurement and compensation for CBERS-02 WFI imager. International journal of remote sensing. (SCI, Accepted)

[3] Gu Xingfa, Li Xiaoying, Min Xiangjun et al., In flight MTF monitoring and compensation for CCD camera on CBERS-02. Science in China (Series E: Englineering & Materials Science), 2005, 48(supp.):29-43.

[4] Li Xiaoying, Gu Xingfa, Min Xiangjun et al., Radiometric cross-calibration of the CBERS-02 CCD camera with the TERRA MODIS. Science in China (Series E: Englineering & Materials Science), 2005, 48(supp.):44-60.

[5] Tang Junwu, Gu Xiangfa, Niu Shengli et al. Water target based cross-calibration of CBERS-02 CCD camera the MODIS data. Science in China (Series E: Englineering & Materials Science), 2005, 48(supp.):61-71.

[6] Zhang Yong, Gu Xingfa, Yu Tao et al. Absolute radiometric calibration of CBERS-02 IRMSS thermal band. Science in China (Series E: Englineering & Materials Science), 2005, 48(supp.):72-90.

[7] Ma Jianwen, Gu Xingfa, Feng Chun et al. Study of thin cloud removal method for CBERS-02 image. Science in China (Series E: Englineering & Materials Science), 2005, 48(supp.):91-99.

[8] Yu Tao, Li Xiaoying, Zhang Yong, Zhao Feng, Gu Xingfa et al. Comparison of the influence factors on NDVI for CCD camera and WFI imager on CBERS-02. Science in China (Series E: Englineering & Materials Science), 2005, 48(supp.):100-115.

[9] Chen Liangfu, Gao Yanhua, Cheng Yu, Gu Xingfa et al. Biomass estimation and uncertainty analysis based on CBERS-02 CCD camera dada and field measurement. Science in China (Series E: Englineering & Materials Science), 2005, 48(supp.): 116-128.
[10] Xin Xiaozhou, Liu Qinhuo, Tang Yong, Tian Guoliang, Gu Xingfa et al. Estimating surface evapotranspiration using combined MODIS and CBERS-02 data. Science in China (Series E: Englineering & Materials Science), 2004,8(supp.): 145-160.
[11] Li Zhengqiang, Philippe Goloub, Claude Devauxb, Xingfa Gu, Yanli Qiao, Fengsheng Zhao, Hongbin Chen; Aerosol polarized phase function and single-scattering albedo retrieved from ground-based measurements; Atmospheric Research,2004,71:233－241

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[1] Xiaoying Li, Xingfa Gu, Tao Yu, et al. Detection of the degradation of CBERS-02 CCD camera, Proceedings of SPIE - The International Society for Optical Engineering,, v5983, Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V conference in Brugge,2005.
[2] Xiaoying Li, Xingfa Gu, Tao Yu, et al. The Role of Radiometric Calibration for the Vegetation Indices of CBERS-02 WFI. IGARSS 2005.
[3] Xiaoying Li, Xingfa Gu, Tao Yu, et al. In flight MTF monitoring for CCD and WFI on CBERS-02. The 9th International Symposium on Pyhsical Measurements and Signatures in Remote Sensing, ISPMSRS Conference Proceeding, 2005, p484~486.
[4] Zhang, Yong, Gu, Xingfa; Yu, Tao; Li, Xiaoying. radiometric cross-calibration of CBERS-02 IRMSS thermal channel against TERRA MODIS. Proceedings of SPIE - The International Society for Optical Engineering, v 5978, Sensors, Systems, and Next-Generation Satellites IX, 2005,
[5] Yong Zhang, Xingfa Gu, Tao Yu, Xiaoying Li, Xiaowen Li, In-flight method for CBERS-02 IRMSS thermal channel absolute radiometric calibration at Lake Qinghai (China), IGARSS 2005
[6] Gu, X. F., Tao YU, Guoliang TIAN , Michel LEGRAND, Jean-Francois Hanocq, Roland Bosseno, 2004. Relationship between component brightness temperature and geo-structure of a maize canopy, IGARSS04, Alaska, USA.
[7] Gu, X. F., Tao YU, Guoliang TIAN , Michel LEGRAND , Jean-Francois Hanocq, Roland Bosseno, 2004； Error estimation in the acquisition of maize canopy hemispherical directional brightness temperature, IGARSS04, Alaska, USA.
[8] Yu Tao.,Tian Guoliang.,Zhang yong.,Bosseno,Roland.,Gu Xingfa,Hanocq,Jean-Francois,et al. Modelling directional brightness temperature over a urban areas with simplified geometrical structure. IGARSS 2004:1088-1090.
[9] Yu Tao., Gu Xingfa, Tian Guoliang., et al. Modelling directional brightness temperature over a maize canopy in row structure. IGARSS 2004:2290-2304.
[10] Béal D., F. Baret, X.F. Gu, 2004 ; A Method for MERIS Atmospheric Correction based on Spectral and Spatial Observation. In Proc. MERIS Workshop, Frascati, Italy ; ESA SP-549, May 2004
[11] Hailiang Gao, Yuxiang Zhang, Xingfa Gu, et al.. Surface characterization analysis of Inner Mongolia Plateau area (China) as potential satellite calibration sites, using MODIS(Terra and Aqua) instrument. IGARSS 07 (EI)
[12] Zhu Li, Gu Xingfa, Zhang Yuxiang, A Vicarious Calibration for Thermal Infrared Bands of TERRA-MODIS Sensor Using a New Calibration Test Site-Lake Dali, China. IGARSS 07 (EI)
[13] Tianhai Cheng, Xingfa Gu, Liangfu Chen, Cloud detection based on the spectral, multi-angular, and polarized characteristics of cloud. IGARSS 07 (EI)
[14] Xiaofeng Yang, Xingfa Gu, Liangfu Chen,Atmospheric correction of directional polarized ocean color sensors. IGARSS 07 (EI)
[15] Liang Hongyou, Gu Xingfa, Yu Tao, Applications of GPS-RTK Technique in a New Digital Photogrammetric Camera System. IGARSS 07 (EI)

[16] Zhongting Wang, Liangfu Chen, Xingfa Gu. Numeric simulation of viewing geometry of multi-directional polarimeteric sensor influence on the retrieval of aerosols over land surfaces. IGARSS 07 (EI)
[17] Hui Gong1, Guoliang Tian, Yuxiang Zhang, Tao YU, Xingfa GU, Vicarious calibration of MODIS visible and nearinfrared bands using Gongger test site. IGARSS 07 (EI)
[18] Ding Guo, Xingfa Gu, Tao Yu, et al. Numerical Simulation of SAR Raw Signal for Ocean Wave. Proceedings of SPIE, MIPPR 2007, Automatic Target Recognition and Image Analysis; and Multispectral Image Acquisition. Wu han, China. Vol. 6786 678657-1~ 678657-6
[19] Lan Zhang, Xingfa Gu, Hua Xu.Research of the Wavelet based ECW Remote Sensing Image Compression Technology, Proceedings of SPIE, MIPPR 2007, Automatic Target Recognition and Image Analysis; and Multispectral Image Acquisition. Wu han, China.
[20] Shumin Liu, Xingfa Gu, Hua Xu, An improved topographic correction approach for radiation of remote sensing image, Proceedings of SPIE, MIPPR 2007, Automatic Target Recognition and Image Analysis; and Multispectral Image Acquisition. Wu han, China.
[21] Feiming Wei, Xingfa Gu, Hua Xu. Application of Object Oriented Approach to High Remote Sensing Image Classfication, Proceedings of SPIE, MIPPR 2007, Automatic Target Recognition and Image Analysis; and Multispectral Image Acquisition. Wu han, China.
[22] Chaoming Luo, Xingfa Gu, Hua Xu. Different methods Fusion of multispectral and panchromatic images using PCA and wavelet, Proceedings of SPIE, MIPPR 2007, Automatic Target Recognition and Image Analysis; and Multispectral Image Acquisition. Wu han, China.