**Resume**

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| **Name** | Xiongwen He | | |  | |
| **Date of Birth** | Sept 10, 1982 | | |
| **Place of Birth** | Hunan, China | | |
| **Specialty** | Space Data System，Avionics System | | |
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| **Education** | **Degree** | **Time** | **School** | | **Major** |
| Bachelor | 09,1999~07,2003 | Beihang University | | Automation |
| Master | 09,2003~02,2006 | China Academy of Space Technology | | Spacecraft Design |
| Visiting  Scholar | 11,2012~05,2013 | University of Surrey | | Mission Planning |
| Doctor | 09,2018~now | Tsinghua University | | Electronic and Information |
| **Work Experience** | **Professional Ranks** | **Time** | **Department** | | |
| Assistant Engineer | 02,2006~07,2008 | Department of Electronic Engineering(DEE), Beijing Institute of Spacecraft System Engineering(ISSE), China Academy of Space Technology (CAST) | | |
| Engineer | 08,2008~07,2012 | DEE,ISSE,CAST | | |
| Senior Engineer | 08,2012~01,2017 | DEE,ISSE,CAST | | |
| Deputy Director/ Senior Engineer | 01,2017~07,2017 | Department of Electronic and Information(DEI),ISSE,CAST | | |
| Deputy Director/ Researcher | 08,2017~12,2018 | DEI,ISSE,CAST | | |
| Chief Engineer/ Director Researcher | 01,2019~09,2020 | DEI,ISSE,CAST | | |
| Deputy Director / Director Researcher | 09,2020~now | Department of Manned Lunar Exploration System Engineering, ISSE,CAST | | |
| **Positions in Academic Groups** | (1) 11,2016~now，**Deputy Area Director**，Spacecraft onboard interface services Area (**SOIS**), Consultative Committee for Space Data Systems (**CCSDS**).  (2) 01,2019~now，**Committee Member**, Sub-Technical Committee for Space Data and Information Transfer, Technical Committee for National Space Technology and its Standardization, Standardization Administration of China (SAC/TC425/SC3).  (3) 08,2019~now, CAST CCSDS **Chief Representative**. | | | | |
| **Main Achievement** | He is an outstanding expert in space data system, spacecraft avionics system, and onboard software architecture. He has been doing research on CCSDS standards for more than 16 years, being the first Chinese that was nominated as Deputy Area Director of CCSDS SOIS Area.  He brought forward a complete and reasonable way of combining and implementing CCSDS SOIS, SLS, SIS and ECSS standard services and protocols in actual space projects. He took charge of the implementation of onboard software architecture based on CCSDS and ECSS standards, completed the verification on prototypes, and used it in spacecraft avionics system, which greatly enhanced the system functions in the aspects of extending the computing ability as required, device plug and play, acquiring information as needed. His work had built a stable foundation to the intelligence and internetworking of Chinese spacecraft.  He has been in charge of many national projects related to CCSDS, leading his team to develop a lot of products related to CCSDS standards, such as space router implementing CCSDS and IPv6 protocols, onboard computer implementing CCSDS SLS and SOIS standards, onboard TTE switch, onboard software components, etc. Many of the products have been used onboard Chinese satellites.  He is keen to promote the use of CCSDS standard in China. He published a **book** named “Space Data System” as a key co-author in 2018, and gave a lecture to CAST in 2020. He has also been invited to give keynotes on CCSDS standards for more than 7 times in several technical conferences these years. He has completed editing a CCSDS recommendation “CAST FLIGHT SOFTWARE AS A CCSDS ONBOARD REFERENCE ARCHITECTURE”，which is the first CCSDS recommendation editing by Chinese. He has been involved in developing **12 standards** on space data system in China, owned **15 patents** and published more than **40 papers** related to space data system and avionics system. | | | | |
| **Honor** | * Youth top talent of China Aerospace Science and Technology Corporation in 2018 * Advanced Individuals in Technology Innovation of CAST in 2017 * Technology Innovation Award of ISSE in 2017 * Young Post Experts of CAST in 2016 * Advanced Individuals of CAST in 2016 * Outstanding Staff of ISSE in 2016 * Advanced Individuals of CAST in 2014 * Outstanding Staff of ISSE in 2014 | | | | |