Bochao XIE

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EDUCATION BACKGROUND

Xi'an University of Technology 2020.09- 2024.07

- International Engineering College
- Bachelor of Science in Civil Engineering
- **Related Courses:** Mechanics of Materials, Civil Engineering Materials, Hydrodynamics, Introduction to Engineering, Artificial Intelligence and Application, Engineering Structure Load and Reliability Design Principle

University Alliance of The Silk Road 2021.07- 2021.08

- **Summer Courses:** Frontiers in Materials Research, State of the Art Sensor and Actuator Technology, Towards a Carbon Neutrality Future by Understanding Thermal Fluid Flow in Energy and Power Engineering, UASR Innovation and Design: The Politecnico di Miliano Italian Way

Georgia Institute of Technology 2022.12- Now

- **Coursera Certificate:** Material Processing, Material Behavior

Arizona State University 2022.12- Now

- **Coursera Certificate:** Materials Science for Technological Application, Materials Science for Advanced Technological Applications
- **Skills: GRE 336**(V:169+Q:167+AWQ:4.0), TOEFL: 100(29,20,21,30), C, MATLAB, Jupyter
- **Awards:** National Industry Star Award in International Engineering College, XUT, Shangpu Industrious Advanced Prize, XUT, Shang Zhen Duxue Advanced Prize, XUT

PUBLICATION AND PATENT

[1] Xie Bochao, Civil Engineering Drawing Software V1.0, *Computer Software Copyright Registration Certificate, Certificate No. 8859684*

[2] Xie Bochao, Civil Engineering Construction Simulation Software V1.0, *Software Copyright Registration Certificate, Certificate No. 8859683*

[2] Xie Bochao, The Utility Model Relates to a Portable Ultrasonic Ranging Device for Civil Engineering, *Utility Model Patent Certificate, ZL202122277056.X*

RESEARCH EXPERIENCE

Effect of sintering temperature on properties of Ba(Cu1/2W1/2)O3 high dielectric ceramics

Supervisor: Prof. Juanjuan Wang, 2022.01- Now

- Literature review on the Ba(Cu1/2W1/2)O3(BWC), prepared the BCW-based ceramic system and BCW-based series of high dielectric ceramic materials by the solid-phase sol-gel two-step process
- Analyzed the phase structure, microscopic morphology and dielectric properties of the ceramic products by XRD, SEM and Agilent 4294A analysis

INTERNSHIP EXPERIENCE

Xiamen Digital Manufacturing Engineering Research Institute 2022.07- 2022.08

- According to the scientific research project deployment of the research team, engaged in 3D printing, electrostatic spinning and other project research, and carried out scientific research and other work according to the project team's requirements.
- Assisted in reporting scientific research project management projects such as 3D printing and electrospinning