Letter of Recruitment

Institute: TRACE (Time-Resolved Aberration Corrected Environmental) Electron Microscopy Unit, City University of Hong Kong
Primary Job Location: Hong Kong, Shenzhen
Job Title: Electronics Engineer, Mechanical Engineer, Software Engineer, ERP Engineer
Requirement: Bachelor, Master or Ph.D. degree majoring in Physics, Materials Science, Electrical Engineering, Mechanical Engineering or related field.

Job Description:

The Time-Resolved Aberration Corrected Environmental (TRACE) Electron Microscopy Unit in City University of Hong Kong is an open platform in electron microscopy, directed by Chair Professor Fu-Rong CHEN, which aims to provide professional services and support to faculty, staff and students to develop high quality research activities in materials science, mechanical engineering, chemistry, physics, biological science and other related fields. We have designed and purchased the high space/time-resolved environmental TEM and are developing desktop STEMs with new functions. We plan to build the world's biggest electron microscopy unit in Hong Kong and Shenzhen with the aim of providing comprehensive support to achieve scientific research excellence.

We are looking for domestic or international engineers to share our passion and to explore research collaboration together. Please find your preferred position for more details in the following table.

	Positions	Responsibilities	Requirements	Quota
1	Senior Electronics Engineer	1. Mass Production for LaB_6 STEM 2. Mass Production for FEG STEM 3. Integration of LaB_6 STEM+EDX 4. Integration of FEG STEM+EDX 5. Integration & mass production for FEG+AC	1. FPGA design 2. FW coding (C Language) 3. Circuit design 4. Master degree or above in Physics, Electrical Engineering or related field	1
2	Senior Electronics Engineer	High Voltage Research & Development and Mass Production for 15 kV LaB_6, 30kV LaB_6, 30kV FEG & 50kV FEG	1. FPGA design 2. FW coding (C Language) 3. Circuit design 4. Master degree or above in Physics, Electrical Engineering or related field	1
3	Electronics Engineer	Assistance to Senor Electronics Engineer	1. FPGA design 2. FW coding 3. Circuit design 4. Master degree or above in Physics, Electrical Engineering or related field	1
4	Electronics Assistant Engineer	1. PCB Layout 2. In-Circuit-Test 3. BOM Creation	1. PCB Layout (Proficient in Altium, Protel or PADS)	1

			2. Proficient in Welding 3. Bachelor degree or above majoring in Physics, Electrical Engineering or related field	
5	Senior Mechanical Engineer	1. Electron Gun Design 2. Vacuum Design & Test 3. STEM System Design and Mass Production	1. Proficient in Precision Structure Design 2. Proficient in CAD (Better for Solidedge or Solidworks) with 1 year working experience 3. Working experience on Ultrahigh Vacuum 4. Master Degree or above majoring in Mechanical Engineering, Materials Science or related field	1
6	Mechanical Engineer	Assistance to Senior Mechanical Engineer	1. Familiar with Precision Structure Design 2. Familiar with CAD 3. Familiar with Vacuum Treatment 4. Bachelor Degree or above in Mechanical Engineering, Materials Science or related field	1
7	Mechanical Assistant Engineer	1. Assembly and Vacuum Test 2. Mechanical Test 3. BOM Creation	1. Familiar with Precision Structure Design 2. Familiar with CAD 3. Familiar with Vacuum Treatment 4. Bachelor Degree or above in Mechanical Engineering, Materials Science or related field	1
8	Software Engineer	1. GUI Interface Design 2. Image Process	1. Proficient in Visual Studio C# or C++ 2. Proficient in Image Process 3. Proficient in ActiveX or OCX Integration 4. Master Degree or above in Computer Science, Information Engineering or related field	2
9	ERP Engineer	1. Assistance to create BOM 2. Automated Inventory Management	1. ERP System R&D with 1 year working experience 2. Bachelor Degree or above in CS, IE or related field	1

If you are interested in joining us, please send your resume to CHEN Yan(ychen77158@gmail.com). We will promptly arrange interviews for qualified candidates.

Our Leadership:
Chair Professor Fu-Rong CHEN (Head of TRACE)
https://scholars.cityu.edu.hk/en/persons/furong-chen(82131aba-8044-486f-937c-eb80002afeb6).html

Contact info:
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CHEN Yan, Ph. D candidate