

日程安排

5 月 29 日	<div>■ 会议注册 (13:00-23:00)</div> <div>■ 参观厦门大学联机设施或者自由安排 (15:00-17:00)</div> <div>■ 宾馆自助晚餐 (18:00-21:00)</div>		
5 月 30 日 (周四), 上午 08:00~12:15			
时间	议程	报告人	主持
08:00~08:20	宣布会议开幕、介绍嘉宾、厦门大学校领导致辞		冉广
08:20~08:35	合影		
08:35~09:00	Enabling Rapid Qualification of Advanced Reactor Core Materials with Ion Irradiation	Gary Was	王鲁闽
09:00~09:25	A Perspective on the Role of In-Situ TEM for Improved Understanding of Irradiation Effects in Materials	Steven Zinkle	
09:25~09:50	Multi-scale modelling platform of materials under neutron irradiation	吕广宏	
09:50~10:15	Using In-Situ Transmission Electron Microscopy to Characterize the Microstructure Evolution Under Irradiation: Research highlights from the “MATerials Under Reactor Extremes” (MATURE) research group at NCSU	Djamel Kaoumi	
10:15~10:35	茶歇		
10:35~11:00	The Study of Irradiation-Induced Nanostructure Patterning with in situ TEM	王鲁闽	吕广宏
11:00~11:25	Effects of damage and dose rate on α' phase formation in oxide dispersion strengthened FeCrAl alloys under Fe ion irradiation studied using in-situ transmission electron microscopy	Jonathan Hinks	
11:25~11:50	Microstructural characterization of irradiated ferritic/martensitic steels after irradiation at Swiss Spallation Neutron Source	戴勇	
11:50~12:15	Evaluation of hydrogen and helium retention behavior in fusion reactor materials using in-situ TEM-QMS	Mitsutaka Miyamoto	
12:15~14:00	午餐、休息		
下午 14:00~18:00			
14:00~14:25	The Vision for Tennessee In-situ Ion Irradiation STEM	Khalid Hattar	王宇钢
14:25~14:50	Unveiling the Microstructural Evolution in Zirconium Alloys Through In-Situ Transmission Electron Microscopy under Irradiation	姚仲文	



14:50~15:15	Nature of Nano-scale Defect Clusters Under Irradiation: Computer Simulations versa Experimental Observations	高飞	
15:15~15:40	The <i>in situ</i> dual ion beam TEM at JANNuS-Orsay: description of the facility, recent updates and results	Aur�lie Gentils	
15:40~15:55	Sample holders for <i>in situ</i> TEM with ions	Cedric Baumier	
15:55~16:15	茶歇		
16:15~16:30	Using in-situ TEM to study the irradiation-induced defects in high-purity palladium (Pd)	李奕鹏	戴勇
16:30~16:55	In-situ Irradiation Facility at Xiamen University in China	黄金池	
16:55~17:20	In-situ TEM observation of microstructure evolution in Mo-Re alloy under Fe ⁺ irradiation	邱玺	
17:20~17:45	Using Proton Irradiation to Study Stress and Temperature Dependence of Irradiation Creep	Mark Daymond	
17:45~18:00	Development of engineered nano-nuclear materials using particle beam linked Electron Microscopy	Liviu Popa-Simil	
18:00~20:00	晚宴		
5 月 31 日 (周五) 上午 08:00~12:05			
时间	议程	报告人	主持
08:00~08:25	Application perspectives of TEM with ion irradiation on the study of tungsten fiber reinforced tungsten Materials	都娟	高飞
08:25~08:50	The influence of local chemical order on the radiation behavior of high entropy alloys	卢晨阳	
08:50~09:15	Coupled effect of Cr and Al on interactions between a prismatic interstitial dislocation loop and an edge dislocation line in Fe-Cr-Al alloy	高宁	
09:15~09:40	Utilizing Cluster Dynamics Modeling to Interpret TEM Observations of In-situ and Ex-situ Irradiation	胡逊祥	
09:40~10:05	Atomistic simulations of the clustering of vacancy and rhenium in Mo-Re alloys	孙璐	
10:05~10:25	茶歇		
10:25~10:50	High-entropy complex ceramics under in-situ irradiation	王晨旭	姚仲文
10:50~11:15	Irradiation damage in sintered SiC irradiated by He ions	李炳生	
11:15~11:40	Research on the micro-deformation mechanisms and irradiation effects of high-entropy thin films	蒋丽	
11:40~12:05	Computer simulation and modeling of radiation effects	辛勇	



12:05~14:00	午餐、休息		
下午 14:00~17:50			
14:00~14:15	TEM characterization of dislocation loops in post-irradiated and in-situ irradiated pure Cr	崔丽娟	高宁
14:15~14:30	Precipitation behavior of Mo-Re alloy under ion irradiation with 20 MeV nickel ions at a dose level of 140 dpa at 580°C	黄洪涛	
14:30~14:45	Combined irradiation study of radiation damage in reactor pressure vessel materials	陈良	
14:45~15:00	Combined Irradiation Method for In-situ and Ex-situ Study of Radiation Defect Evolution in Alloys	陈东钺	
15:00~15:15	Concurrent effect of hydrogen and irradiation in Zr-based alloy	杨会龙	胡逊祥
15:15~15:30	Void evolution mechanisms under in situ TEM heavy-ion irradiation environment	范存才	
15:30~15:45	Modelling of the fission gas swelling for UO ₂ fuel in PWR	周毅	
15:45~16:00	The synergetic effect of He and Kr irradiation on helium bubble evolution in SiC/SiC composite: Combining in-situ TEM observation with MD simulation	郑策	
16:00~16:20	茶歇		
16:20~16:35	Effect of post-treatments on radiation damage of additively manufactured 316L stainless steels	宋淼	卢晨阳
16:35~16:50	Synergistic effects between He bubbles and Mg in the silicon carbide materials	刘敏	
16:50~17:05	Radionuclide Tracing Based in situ Corrosion and Mass Transport Monitoring of 316L Stainless Steel in a Molten Salt Closed Loop	王亚飞	
17:05~17:20	In Situ and Ex Situ TEM Study of Microstructural Evolution in Hollandite Ceramics under Ion Irradiation	李钰涵	袁悦
17:20~17:35	Deuterium-helium mixed plasma irradiation on surface modification of ZrC dispersion-strengthened tungsten	陈泽	
17:35~17:50	Theoretical investigation of positron annihilation spectroscopy of neutron irradiated CrMnFeNi high entropy alloy	李聪毅	
17:50~20:00	酒店自助晚餐		
6月1日（周六），离会			

