

ICMR-2024 Tentative Program

* Honorary Plenary Lecture : 40 minutes

* Plenary Lecture : 40 minutes

* Oral Presentation : 20 minutes

Tuesday, December 3, 2024

Time/Room	Room 1 (Grand Ballroom)	Room 2	Room 3	Room 4	Room 5
15:00~	Registration				
17:00~	DOOSAN Grand Welcome (Venue: TBD)				

Wednesday, December 4, 2024

Time/Room	Room 1 (Grand Ballroom)	Room 2	Room 3	Room 4	Room 5	Room 6
08:30~	Registration					
09:00~11:20	Workshop	Oral Session	Oral Session	Oral Session	Mini Symposium	Oral Session
Session Title	Special Workshop 1	1.C Fatigue	3.I PHM for electronics and electrical systems	1.G Advanced materials	5.E Advanced Modeling and Simulation for Enhancing Reliability in LG Home Appliance & Air Solution	4.A Nuclear industry
09:00~09:20	Electric vehicle after-use battery remanufacturing product test evaluation and certification support infrastructure project	P00141	P00024	P00167	P00236	P00226
09:20~09:40		P00156	P00052	P00184	P00234	P00183
09:40~10:00		P00013	P00168	P00126	P00164	P00079
10:00~10:20		P00037	P00150	P00077	P00153	P00192
10:20~10:40		P00033	P00049	P00082	P00068	P00074
10:40~11:00		P00014	P00110	P00021		P00165
11:00~11:20		P00125	P00069	P00106		
11:20~12:20	Poster Session 1 (Venue: Grand Ballroom)					
12:20~13:20	Lunch (Venue: Grand Ballroom)					
13:20~13:50	Opening Ceremony (Venue: Grand Ballroom)					
13:50~14:30	Honorary Plenary Lecture 1 (Venue: Grand Ballroom) Mr. Dongsoo Lee (Senior Vice President, Doosan Enerbility, Korea)					
14:30~15:00	Honorary Plenary Lecture 2 (Venue: Grand Ballroom) Prof. Dong Ho Bae (The Founder of the ICMR Conference, United African University of Tanzania, Tanzania)					
15:00~15:20	Coffee Break					
15:20~18:00	Plenary Lecture	Oral Session	Mini Symposium	Workshop	Workshop	Mini Symposium
Session Title	Plenary Lecture 1, 2	1.B Fracture & failure	5.I Reliability and Optimization for Naval Systems	Special Workshop 2	Special Workshop 3	5.D Data-driven & Physics-informed machine learning for digital twin, surrogate modeling, and model discovery
15:20~15:40	Dr. Kunio Hasegawa (Japan Atomic Energy Agency, Japan)	P00114	P00253	Technical Workshop on Manufacturing Equipment Lifecycle Reliability Assessment	Energy Machinery R&D Strategy Workshop (Invited Only)	P00152
15:40~16:00	P00237	P00232	P00133			
16:00~16:20	Dr. He Li (Liverpool John Moores University, UK)	P00149	P00223			P00096
16:20~16:40	P00072	P00208	P00176			
16:40~17:00	P00131		P00116			
17:00~17:20	P00198		P00076			
17:20~17:40			P00073			
17:40~18:00					P00073	

Thursday, December 5, 2024

Time/Room	Room 1 (Grand Ballroom A)	Room 2	Room 3	Room 4	Room 5	Room 6
08:30~	Registration					
09:00~11:00	Plenary Lecture	Oral Session	Oral Session	Oral Session	Oral Session	Mini Symposium
Session Title	Plenary Lecture 3, 4	1.B Fracture & failure	2.H Non-destructive testing and evaluation (NDT&E)	1.G Advanced materials	1.J Soft & bio-materials/ 1.K Others	5.F Innovations in Performance and Reliability for Energy-Intensive Applications
09:00~09:20	Prof. Taek-Soo Kim (KAIST, Korea)	P00063	P00011	P00143	P00182	P00259
09:20~09:40		P00018	P00243	P00172	P00043	P00258 P00249
09:40~10:00	Prof. Koichi Goda (Yamaguchi University, Japan)	P00109	P00101	P00005	P00214	P00209
10:00~10:20		P00008	P00023	P00093	P00015	P00162 P00225

10:20~10:40		P00020	P00163	P00081	P00154	P00220 P00218
10:40~11:00		P00028	P00103			
11:00~12:00	Poster Session 2 (Venue: Grand Ballroom)					
12:00~13:00	Lunch (Venue: Grand Ballroom)					
13:00~13:40	Honorary Plenary Lecture 3 (Venue: Grand Ballroom) Prof. Fu-Kuo Chang (Stanford University, USA)					
13:40~13:50	Coffee Break					
13:50~15:50	Plenary Lecture	Oral Session	Oral Session	Mini Symposium	Mini Symposium	Mini Symposium
Session Title	Plenary Lecture 5, 6	1.A Stress analysis/ 1.C Fatigue	4.C Energy and plant engineering/ 4.E Manufacturing equipment and machineries/ 4.G Electronics/packaging/ 1.I Coating/wear/tribology	5.C Advanced SHM and NDE techniques	5.B Safety and Survivability Solution via AI-IoT based Biometric Signal Analysis	5.A Advanced Materials based Energy Devices
13:50~14:10	Prof. Yiming Zhang (Zhejiang University, China)	P00239	P00091	P00062	P00092	P00058
14:10~14:30		P00200	P00260	P00065	P00090	P00086
14:30~14:50	Prof. Jongsoo Lee (Yonsei University, Korea)	P00016	P00095	P00061	P00089	P00056
14:50~15:10		P00130	P00132	P00055	P00053	P00064
15:10~15:30		P00084	P00186		P00088	P00060
15:30~15:50		P00145	P00026		P00034	
15:50~16:00	Coffee Break					
16:00~18:00		Oral Session	Mini Symposium	Mini Symposium	Mini Symposium	Oral Session
Session Title		1.C Fatigue/ 1.A Stress analysis/ 4.F Nano/micro-systems	5.H Innovative Material Testing and Applications in Harsh Environments	5.G Trends in Eco-Friendly Shipbuilding and Marine Echnology	5.J PHM-driven Smart Durability Testing for Annoying Noise in Automotive Industry	2.A Reliability analysis and modeling
16:00~16:20		P00059	P00206	P00256	P00248	P00029
16:20~16:40		P00022	P00161	P00254	P00247	P00048
16:40~17:00		P00181	P00228	P00196	P00246	P00148
17:00~17:20		P00038	P00201	P00999		P00047
17:20~17:40		P00195	P00085	P00221		P00045
17:40~18:00		P00027				P00044
18:00~		LG Awarded Banquet (Venue: Grand Ballroom)				

Friday, December 6, 2024

Time/Room	Room 1 (Grand Ballroom A)	Room 2	Room 3	Room 4	Room 5
08:30~	Registration				
09:00~11:40	Plenary Lecture	Oral Session	Oral Session	Oral Session	Oral Session
Session Title	Plenary Lecture 7, 8	4.F Nano/micro-systems	3.F Degradation modeling/ 3.E Condition-based and predictive maintenance/ 3.C Deep learning methods and applications/ 3.H PHM for smart factory	1.F Metals/alloys/composites	2.G Accelerated life testing and analysis/ 2.F Software reliability and testing/ 2.J Reliability-based optimization and control reliability theory/ 2.K Others
09:00~09:20	Prof. Ke Feng (Xi'an Jiaotong University, China)	P00019	P00050	P00122	P00255
09:20~09:40		P00235	P00036	P00188	P00097
09:40~10:00	Prof. Seungchul Lee (KAIST, Korea)	P00054	P00197	P00155	P00144
10:00~10:20		P00032	P00136	P00180	P00194
10:20~10:40		P00146	P00211	P00030	P00067
10:40~11:00		P00017	P00105	P00066	
11:00~11:20		P00160	P00216	P00009	
11:20~11:40		P00147		P00227	
11:40~12:00	Closing Ceremony (Venue: Grand Ballroom)				
12:00~13:00	Lunch (Venue: Grand Ballroom)				
13:00~	Tour				

Poster Session 1	P00007	P00012	P00031	P00057	P00070
	P00075	P00080	P00083	P00099	P00111
	P00113	P00118	P00129	P00134	P00135
	P00137	P00140	P00142	P00151	P00158

Poster Session 1	P00166	P00169	P00170	P00173	P00178
	P00179	P00187	P00190	P00191	P00199
	P00202	P00207	P00210	P00212	P00215
	P00224	P00229	P00230	P00231	P00238
	P00240	P00241	P00244	P00250	

Poster Session 2	P00006	P00025	P00039	P00041	P00051
	P00078	P00094	P00098	P00100	P00102
	P00104	P00107	P00108	P00112	P00115
	P00117	P00119	P00120	P00121	P00123
	P00124	P00127	P00128	P00138	P00157
	P00159	P00171	P00174	P00175	P00177
	P00189	P00193	P00203	P00204	P00205
	P00213	P00217	P00219	P00233	P00242
	P00245	P00251	P00252	P00257	