

**2018 Twentieth International Middle East Power Systems
Conference (MEPCON)**
Cairo University, Cairo, Egypt, December 18-20, 2018 (MEPCON'2018)



Conference Program

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Conference Program

Part I: Contributed Papers – Location Al Masah Hotel – Nasr City

Date	Time	Al-Zomorda Hall	Al-Loaloo Hall	Al-Zahabia Hall	Al-Fayrouz Hall	Solitaire Hall 2	Library Room
Monday 17/12/2018	12:00-18:00						Registration
Tuesday 18/12/2018	8:00 – 9:00						Registration
	9:00-10:15	Opening speeches by Conference Key Sponsors and Guest Speaker Dr. Shahidehpour:					Registration
	10:30-12:00	A1 FACTS and HVDC Systems 1	B1 Microgrids 1	C1 Power System Optimization 1	D1 Electric Machines and Drives 1	E1 Power Electronics 1	Registration
	12:00-12:30	Coffee Break					
	12:30-14:00	A2 Power Systems 1	B2 Photovoltaic Systems 1	C2 Wind Energy Systems 1	D2 Power Quality 1	E2 Fault Detection and Protection 1	Registration
	14:00-15:30	Lunch Break					
15:30-17:00	A3 AI Applications in Power Systems	B3 Distribution Systems 1	C3 Electric Vehicles	D3 Distributed Generation 1	E3 Fault Detection and Protection 2		



Date	Time	Al-Zomorda Hall	Al-Loalooa Hall	Al-Zahabia Hall	Al-Fayrouz Hall	Solitaire Hall 2	Library Room	
Wednesday 19/12/2018	9:00-10:30	A4 High Voltage and Dielectrics	B4 Distributed Generation 2	C4 FACTS and HVDC Systems 2	D4 Microgrids 2	E4 Electric Machines and Drives 2	Registration	
	10:45-12:15	A5 Power Systems Optimization 2	B5 Power System Optimization 3	C5 Wind Energy Systems 2	D5 Electric Machines and Drives 3	E5 Power Electronics 2	Registration	
	12:15-12:45	Coffee Break						
	12:45-14:15	A6 Power Systems 2	B6 Photovoltaic Systems 2	C6 Microgrids 3	D6 Wind Energy Systems 3	E6 Power Quality 2		
	14:15-15:30	Lunch Break						
	15:30-17:00	A7 AI Applications in Power Systems 2	B7 Distribution Systems 2	C7 Reliability and Asset Management	D7 Renewable Energy Systems	E7 Power Systems 3		
	17:00-17:30	Closing and Recommendations						

Part II: Tutorials – Location Faculty of Engineering - Cairo University: Main Conference Hall

Thursday 20/12/2018 Tutorials:

Session A8	Chairmen: Professor Hany ElGhazaly (Cairo University) and Professor Mouhab Mokhtar Hallouda (Cairo University)
9:00:12:00	Tutorials by: 1) Dr. Omar Hanafy Abdalla (Transmission System Security Standards). 2) Dr. Nabil Abbasy (Smart Grids – A Master Program. 3) Dr. Konstantinos Kopsidas (UK) (Transmission Systems Flexibility).
13:00-15:00	Tutorial by Opal-RT Technologies Canada – Dr. Simon Abourida (Real Time Simulation of Electric Power Systems).



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Proceedings Papers Distribution on Sessions

Ser.	Session #	Session Title	Paper ID #					
			2	26	95	136	157	158
1	A1	FACTS and HVDC Systems 1	2	26	95	136	157	158
2	A2	Power Systems 1	11	20	32	50	61	69
3	A3	AI Applications in Power Systems 1	12	30	55	91	156	163
4	A4	High Voltage and Dielectrics	34	114	207	242	244	252
5	A5	Power Systems Optimization 2	116	138	182	205	216	
6	A6	Power Systems 2	108	148	162	177	214	
7	A7	AI Applications in Power Systems 2	183	195	199	210	224	
8	B1	Microgrids 1	49	65	89	109	119	121
9	B2	Photovoltaic Systems 1	8	14	21	29	41	51
10	B3	Distribution Systems 1	16	19	52	93	101	145
11	B4	Distributed Generation 2	160	170	215	253	254	255
12	B5	Power System Optimization 3	218	233	245	247	249	265
13	B6	Photovoltaic Systems 2	54	62	99	107	110	112
14	B7	Distribution Systems 2	168	202	223	225	264	
15	C1	Power System Optimization 1	24	73	94	96	111	261
16	C2	Wind Energy Systems 1	1	46	57	70	78	84
17	C3	Electric Vehicles	115	124	174	181	189	241
18	C4	FACTS and HVDC Systems 2	188	194	198	200	211	
19	C5	Wind Energy Systems 2	130	161	166	173	179	
20	C6	Microgrids 3	212	213	240	243	246	266
21	C7	Reliability and Asset Management	22	98	103	104	123	267
22	D1	Electric Machines and Drives 1	6	36	60	190	201	237
23	D2	Power Quality 1	33	128	133	135	149	152
24	D3	Distributed Generation 1	85	100	102	113	141	196
25	D4	Microgrids 2	76	142	147	172	193	203
26	D5	Electric Machines and Drives 3	63	64	86	131	134	
27	D6	Wind Energy Systems 3	234	248	256	257	260	263
28	D7	Renewable Energy Systems	56	71	125	180	206	217
29	E1	Power Electronics 1	38	80	92	117	122	132
30	E2	Fault Detection and Protection 1	27	28	79	87	155	
31	E3	Fault Detection and Protection 2	159	178	184	191	220	
32	E4	Electric Machines and Drives 2	67	68	74	75	151	
33	E5	Power Electronics 2	167	192	230	238	251	
34	E6	Power Quality 2	183	204	209	232	259	
35	E7	Power Systems 3	82	83	153	208	250	