



New Era & New Challenge

The 17th (APIEMS 2016)

Asia Pacific Industrial Engineering and Management Systems Conference

Joint with *The 3rd East Asia Workshop on Industrial Engineering (EAWIE 2016)*
2016 Chinese Institute of Industrial Engineers Annual Conference

Date: December 7-10, 2016

Venue: Howard Hotel, Taipei, Taiwan

Important Date

May 1, 2016

Deadline for Abstract Submission

June 1, 2016

Abstract Acceptance Notification

July 1, 2016

Deadline for Full Paper Submission

August 1, 2016

Acceptance Announcement

September 1, 2016

Deadline for Camera Ready Paper Submission

October 1, 2016

Deadline for Early Registration

December 7-10, 2016

Conference Date

Contact

apiems2016@gmail.com



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Call for Papers

The 17th APIEMS conference, the premier industrial engineering and management systems conference in the Asia Pacific region, will be hosted by the National Taiwan University of Science & Technology (Taiwan Tech). It is the forum for exchange of ideas and discussion among leading experts from academia, industry, and government on the latest developments. It aims to seek opportunities for collaboration among the participants as well as to promote excellence among the fields. Papers will represent the latest academic thinking and successful case examples. The audience will benefit from the knowledge and experience from leading practitioners and academics in this area. The conference seeks research contributions from researchers, educators, modelers, software developers, users and practitioners.

Topics of Interest

- Artificial Intelligence
- Big Data Methodology and Applications
- Cloud Computing and Application
- Data Mining
- Decision Modeling and Theory
- Decision Support System and Expert System
- Demand Chain Management
- E-Business / Information Technology
- Engineering Economy
- Enterprise Resource Planning
- Ergonomics / Human Factors
- Evolutionary Algorithm
- Financial Models and Engineering
- Flexible Manufacturing System
- Fuzzy Logic
- Green Manufacturing / Management
- Health Care System
- Human-Computer Interaction
- Industrial Automation
- Industrial Engineering Education
- Inventory Modeling and Management
- Knowledge and Information Management
- Lean Manufacturing
- Logistics Management
- Management Information System
- Management of Technology and Innovation
- Management Science
- Managing Global Supply Network
- Meta-heuristic
- Operations Research
- Optimization Technique
- Probability and Statistical Modeling
- Product Design and Development
- Product Planning and Marketing
- Production and Operations Management
- Purchasing / Procurement Management
- Quality Engineering and Management
- Queuing Theory and Application
- Reliability and Maintenance
- Safety Engineering
- Scheduling and Sequencing
- Service Science / Management
- Simulation
- Supply Chain Management
- Sustainable Management
- Transportation
- Uncertainty Theory
- Communication Support
- Tourism Management
- Other Related Topics in IE/MS

Submission

Authors should submit the abstract and later the full paper in MS WORD document, maximum of 8 pages including figures and diagrams (Double Columns, font size 10) by accessing <http://apiems2016.conf.tw>. The first page of the paper must contain the title, names and affiliations of the authors, email address, and maximum five keywords/phrases, and identify the corresponding author by giving full contact information including the email address. The APIEMS conference proceedings and the IEMS journal are included in the SCOPUS and the Australian Index System. For further information, please feel free to contact the secretariat at apiems2016@gmail.com.

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Hosted By

- Department of Industrial Management,
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Co-Organizing Institutes

- Ministry of Science and Technology
- Asia Pacific Industrial Engineering and Management Society
(<http://apiems2016.conf.tw/>)
- Chinese Institute of Industrial Engineers
- National Taipei University of Technology (Taipei Tech)

December 7 (Wednesday)

17:00-20:00	Registration (3F, Dragon Hall)
18:00-20:30	Welcome Reception (3F, Dragon Hall)

December 8 (Thursday)

07:00-09:00	Fellow Meeting (3F, Yangtse River)
08:00-17:00	Registration (B2, Lobby)
09:00-09:30	Opening Ceremony (B2, Banquet Hall I)
09:30-10:30	Keynote Speech I: Dr. Chi-Ming Chang
10:30-11:00	Coffee Break
11:00-12:00	Keynote Speech II: Prof. Takashi Oyabu
12:00-13:30	Lunch (1F, Rainbow Terrace / 4F, Le Louvre)

Room	Hibiscus Rose (B2)	Lily Jasmine (B2)	Banquet Hall (III) (B2)	Dragon Hall (3F)	Meeting Room (CR401) (4F)	Meeting Room (CR402) (4F)	Meeting Room (CR403) (4F)	Meeting Room (CR405) (4F)	Meeting Room (CR406) (4F)	Rosewood (4F)
Parallel Sessions										
13:30-15:00	A1	B1	C1	D1	E1	F1	G1	H1	I1	J1
Session name	Scheduling and sequencing I	EAWIE - supply chain management	EAWIE - decision modeling and theory	Best practice paper award competition I	Special session: POM in sharing economy I	Ergonomics and human factors I	Data mining I	Production and operations management I	Sustainable management	Other related topics in IE/MS I
Paper ID	229	154	42	75	431	51	74	134	34	81
	351	162	104	145	164	65	119	92	102	105
	240	218	38	177	176	70	142	97	160	156
	280	319	268	209	188	149	150	117	380	163
		403	393	272	180	151	179	40	144	191
		486		517			238			202
14:30-17:00	Board Meeting (3F, Yangtse River)									
15:00-15:20	Coffee Break									
Parallel Sessions										
15:20-16:50	A2	B2	C2	D2	E2	F2	G2	H2	I2	J2
Session name	Ergonomics and human factors II	Operations research and management science I	E-business and information technology I	Best practice paper award competition II	Special session: POM in sharing economy II	EAWIE - reliability and maintenance	Health care system I	EAWIE - production and operations management	Supply chain management I	EAWIE - logistics management I
Paper ID	447	244	122	172	189	91	83	114	111	251
	366	263	193	190	250	95	237	321	127	288
	404	232	133	197	270	256	239	389	146	329
	205	457	345	222	296	398	275	282	157	331
	488	438	87	465	52	414	235	281	159	427
	252		88	478		325	340	39	199	468

December 9 (Friday)

08:30-17:00 Registration (B2, Lobby)										
Room	Hibiscus Rose (B2)	Lily Jasmine (B2)	Banquet Hall (III) (B2)	Dragon Hall (3F)	Meeting Room (CR401) (4F)	Meeting Room (CR402) (4F)	Meeting Room (CR403) (4F)	Meeting Room (CR405) (4F)	Meeting Room (CR406) (4F)	Rosewood (4F)
09:00:10:30 Parallel Sessions										
	A3	B3	C3	D3	E3	F3	G3	H3	I3	J3
Session name	Special session: marketing analysis I	Product design and development	Service science and management	Green manufacturing and management	Best student paper award competition I	Best student paper award competition II	Special session: application of IT to tourism and education	Special session: physical function and ergonomics I	Decision support system and expert system	Quality engineering and management I
Paper ID	44	302	35	57	226	395	93	120	301	30
	48	337	56	116	55	208	118	124	374	45
	53	344	71	161	198	236	173	126	415	80
	54	357	78	368	69	394	123	129	430	106
	491	59	204	64		289	138	178	308	241
	170	303	306	338			231	185		259
10:30-10:50 Coffee Break										
10:50-12:05 Parallel Sessions										
	A4	B4	C4	D4	E4	F4	G4	H4	I4	J4
Session name	Special session: marketing analysis II	Operations research and management science II	Special session: Industry 4.0	Health care system II	Best student paper award competition I	Best student paper award competition II	Inventory modeling and management	Special session: physical function and ergonomics II	Transportation	Optimization technique
Paper ID	58	41	277	360	115	424	60	113	490	215
	73	43	348	363	365	436	174	221	265	299
	168	61	109	462	128	448	247	143	315	342
	519	79	446	487	502	504	416	233	322	291
	521	182					454	421		409
12:05-13:30 Lunch (1F, Rainbow Terrace / 4F, Le Louvre)										
13:30-15:00 Parallel Sessions										
	A5	B5	C5	D5	E5	F5	G5	H5	I5	J5
Session name	Scheduling and sequencing II	Special session: human interface	Supply chain management II	Other related topics in IE/MS II	Reliability and maintenance	Ergonomics and human factors III	Data mining II	Production and operations management II	Logistics management	Other related topics in IE/MS III
Paper ID	318	130	225	148	46	152	273	147	108	211
	390	131	300	508	68	165	276	220	169	212
	408	132	371	323	72	249	290	287	254	213
	485	167	511	474	441	320	294	298	346	234
	489	181		505	418	399	295	362	461	283
		90		391	269	433	328	450	522	310
15:00-15:20 Coffee Break										
15:20-16:50 Parallel Sessions										
	A6	B6	C6	D6	E6	F6	G6	H6	I6	J6
Session name	Uncertainty theory	Simulation I	Management of technology and innovation	Other related topics in IE/MS IV	EAWIE - product design and development	Big data	Production and operations management III	EAWIE - optimization technique	Supply chain management III	EAWIE - logistics management II
Paper ID	50	76	63	512	210	94	304	255	464	47
	458	110	248	518	217	297	472	260	317	285
	520	155	140	369	311	375	139	456	334	305
	125	377	107	460	350	463	141	479	335	381
	196	444	195	513	384	480	309	207	349	434
		525		230		494	516	49		
18:00-20:30 Banquet (B2, Banquet Hall I)										