



Symposium on Industrial and Production Engineering



Organized by

Department of Industrial and Production Engineering, SUST & IEOM-Bangladesh

(23 April, 2016)

Program Schedule

Registration: 09:00-9:30		
Inauguration Ceremony: 09:30-10:00		
Tea Break: 10:00-10:15		
Keynote lecture: 10:15-10:45		
Chair: Prof. Dr. Mohammad Muhshin Aziz Khan		
Sustainability in Manufacturing by Prof. Dr. Md. Shamsuddin Ahmed, IUT, Gazipur		
Technical Session-1: Manufacturing and Mechanical Engineering		
Chair: Prof. Md. Nurul Absar Chowdhury, IUT, Gazipur		
Time	Topic	Authors
11:00-11:15	Comparison of Chip-Tool Interface Temperature and Tool Wear in Turning Steels under High-Pressure Coolant Environments	M. Kamruzzaman, N. R. Dhar, Goutam Panday
11:15-11:30	Utilization of Unused Highway Wind Energy Produced by Passing Vehicles and Techno-Economic Analysis	D. Drammeh, Asaduzzaman, Faruq I.B. Bashir, A.R.M. Harunur Rashid
11:30-11:45	Bio-Heat Transfer Simulation in Human Eye Using Finite Element Method	A.M.M. Mukaddes, S.M. Kamrul Hasan and Sannyal Mridul
11:45-12:00	Effects of HPC Jet on Tool Wear and Product Quality in Machining different Steels	M. Kamruzzaman, N. R. Dhar, M.Z.I. Ashraf, Saadman Rahman
12:00-12:15	Reduction of Unwanted Noise from The Compressor, Fan and Motor of A Household Air Conditioner With Active Noise Reduction System	Zilkad Hossain, Sifat Ullah Tanzil, A.R.M. Harunur Rashid
12:15-12:30	Renewable Energy Scenario in Bangladesh and A Case Study on Users' Satisfaction on Solar Home Systems	Sarah I. Chowdhury, M. F. Islam, M. A. Saif, Muhammad M. Hasan
12:30-12:45	The Effect of Applying High-Pressure Coolant (HPC) Jet in Machining of 42CrMo ₄ Steel by Uncoated Carbide Inserts	M. Kamruzzaman, N. R. Dhar, M.Z.I. Ashraf, Saadman Rahman
12:45-12:50		
12:50-02:00 PM		
Lunch Break		

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Technical Session-2: Industrial and Production Engineering		
Chair: Prof. Dr. Shamsuddin Ahmed, IUT, Gazipur		
Time	Topic	Authors
02:00-02:20	Comparative Analysis among Different Drilling techniques of GDI nozzles	Dr. Choudhury Abul Anam Rashed Associate Professor, Dept. of IPE, SUST
02:20-02:35	A Fuzzy Based Approach For Reducing Bullwhip Effect in The Supply Chain Management	Joya Das, U. Mou, Tanzil Zaki, S. Shahnoor, Mohammad Morshed
02:35-02:50	Study of 5s Method and Development of A Framework for Its Implementation in The Industrial Arena of Bangladesh	Riad Bin Ashraf, Shehroze Islam, Z. Hossain, A.R.M. Harunur Rashid
02:50-03:05	Systematic Layout Planning (SLP): A Case Study on Furniture Fabrication Facilities	Syed Misbah-Uddin, MD. N. Afser, T. A. Hossain, S. Kumar Yadav
03:05-03:20	Development of a Model of a Flange Manufacturing Factory in 3D Environment Using 3D Studio Max	J.C. Dhar, S.K. Sarkar, H.A. Jafor and M. Iqbal
03:20-03:25		
Tea Break: 03:25- 03:35 PM		
Technical Session-3: Industrial and Production Engineering		
Chair: Prof. Dr. Md. Kamruzzaman, DUET		
Time	Topic	Authors
03:35-03:50	Inbound Transportation: Plant to Warehouse	M. Simona, A. Hossain, A. Sayem, M, Rahman, Mohammad Morshed
03:50-04:05	Study of CNG Station Distribution and A Queuing Study of Selected CNG Stations Through ARENA	A.M.M. Mukaddes and Pabitra Dhar
04:05-04:15	Fire Safety Engineering in The Garment Industry of Bangladesh	Saadman Abedin , Shamsul Arefin , A.R.M. Harunur Rashid
04:15-04:30	Evaluating Overall Equipment Effectiveness, An Insight to Total Productive Maintenance	Md. Mynur Rashid
04:30-04:45	Secondary Distribution and Customer Order Service Management: A Case Study on Cement Industry	A. Noushera, S. Ferhan, Z.A. Rashid, T. Raktim, M. Morshed,
04:45-04:50		
Prayer Break (4:50-5:05PM)		
Time: 5:05-5:50 PM		
Panel Discussions: Industry-Academia Collaboration		
Prof. Dr. Shamsuddin Ahmed, IUT Prof. Dr. Md. Nurul Absar Choudhury, IUT Prof. Dr. Mohammad Iqbal, SUST Prof. Dr. Md. Kamruzzaman, DUET Dr. A. H. M. Mojahidul Haque, JUST		

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