

RTDD 2018
An International Conference on Rural Technology Development and Delivery: RuTAG and its Synergy with other Initiatives

March 9-11, 2018

Programme Schedule

Day 1: March 9, 2018 (Friday)

Venue: Seminar Hall, IIT Delhi

09:00 - 10:00	Registration
10:00 - 11:20	Inauguration & Keynote Lecture 1 by Dr. R. Chidambaram
11:20 - 11:50	Group Photo & Tea Break
12:00 - 14:00	Technical Session 1 (8 Papers*): 40, 9, 61, 33, 59, 7, 1, 4
14:00 - 14:45	Lunch Break (LHC Foyer near LH121)
Venue: LHC 114	
15:00 - 16:00	Keynote Lecture 2: Prof. A. Fujiwara
16:00 - 16:20	Tea Break
16:20 - 18:20	Panel Discussion: RuTAG: Taking Products to the People through Social Enterprises

Day 2: March 10, 2018 (Saturday)

Venue: LHC 114

10:00-11:00	Poster Session (13 posters) and Tea: 3, 8, 10, 20, 26, 31, 36, 38, 44, 45, 46, 51, 60 (Presenters should be available)
11:00-12:00	Keynote Lecture 3: Dr. Balakrishnan Shankar
12:00 - 14:00	Technical Session 2 (8 Papers*): 34, 35, 15, 16, 23, 53, 18, 47
14:00 - 14:45	Lunch Break
15:00 - 16:00	Keynote Lecture 4: Prof. B. K. Chakravarthy
16:00 - 16:20	Tea Break
16:20 - 18:20	Panel Discussion (with RuTAG PIs): RuTAG and Its Future

Day 3: March 11, 2018 (Sunday)

Venue: LHC 114

09:30 - 10:30	Technical Session 3 (4 Papers*): 48, 19, 29, 63
10:30-11:30	Keynote Lecture 5: Prof. P.L. Dhar
11:30 - 11:50	Tea Break
11:50 - 13:50	Technical Session 4 (8 papers*): 5, 57,32,25,56, 41, 21,55
13:50-14:50	Lunch
15:00-17:00	Closing Ceremony

*Each paper is to be presented for 12 mins, followed by discussion and Q&A for 2 mins.

Paper Details for Oral Presentation		
Details	Paper ID	Technical Session
Sandhya Seetharaman. Review of Science and Technology Interventions developed by Rural Technology Action Group- Tamil Nadu, IIT Madras	40	1
Kohei Shimasaki, Sushil Raut, Mingjun Jiang, Takeshi Takaki and Idaku Ishii. High-frame-rate Video Analysis for Mobile Vibration-based Crop Inspection	9	1
Pramod Khadilkar, H.I. Somashekar and Monto Mani. Technologies to support the technologies	61	1
Vinod Kotwal, Santosh Satya, S.N. Naik, Abhishek Dahiya and Jyoti Kumar. Street Food Cart Design: a critical component of Food Safety	33	1
Aishwarya Chauhan and Arpan Kumar Kar. A Conceptual Article on Barriers to Innovation Adoption	59	1
Dr. Ganesan S. and Prof. Badari Nath K.. Design and Development of Mechanical and Electronic Jacquard Handloom for Fine-Korai-Mat Weaving	7	1
Airin Dutta. Dynamic analysis of Treadle Pump	1	1
R.P. Saini, S.K. Singal, Imtiaz Ali and Ramesh Joshi. Development of Modified Bageshwari Wool Charkha	4	1
Rupali Khanolkar and Anand Rao. Technology Interventions for Rural Development by RuTAG IIT Bombay: A Review	34	2
Prashant Tak, Tanjum Haque, Anirban Guha, Anand B. Rao, Narendra Shah and Rupali Khanolkar. Study of supply chain, production potential of hirda and design of hirda decortication machine for livelihood generation for tribal people	35	2
Prashant Tak, Tanmay Bhandakkar and Rupali Khanolkar. Designing a cow lift for downer cow: Experience of working on a rural technology	15	2
Prashant Tak, Nuli Teja, Siddhartha Ghosh and Anand B. Rao. Evolution of 'Floating fish cages for inland waters' developed by RuTAG IIT Bombay	16	2
Srividya Sheshadri, Christopher Coley and Bhavani Rao R. Facilitating Vocational Education Opportunities for Women in Rural India: A Strategy for Community-Centric and Technology Enhanced Vocational and Life Skills Development	23	2

Srijan Prabhakar, Prabhat Kumar, S. K. Saha, D Ravi Kumar and Deepak Kumar. Failure Analysis of Comb for Sheep Hair Shearing Device	53	2
Anuj Kumar and R.P. Saini. Investigations on the performance of Drag Based Hydrokinetic Turbine	18	2
Priya Sharma, Nirmalya Samanta, Shyamanl Gan, Durga Bhattacharya and Chirasree Roychaudhuri. A Cost Effective and Field Deployable System for Soil Macronutrient Analysis Based on Near-infrared Reflectance Spectroscopy	47	2
Bibhuti Ranjan Bhattacharjya, Saurav Sarmah and Sashindra Kumar Kakoty. Design and Development of Technology Appropriate to Rural Community to Address Sustainability	48	3
R.P. Saini, S.K. Singal and Imtiyaz Ali. Development of Modified Pump Used as Turbine in Micro Hydro Plants	19	3
Nadeem Ahmad Khan. Factors effecting Aerobic Granulation from Sequencing Batch Reactor for Industrial wastewater	29	3
R Chattopadhyay, S.K. Saha and Ankit Fatnani. Redesigning the humble NMC (New Model Charkha)	63	3
R.P. Saini, S.K. Singal, Imtiyaz Ali and Ramesh Joshi. A Comprehensive Review on Projects carried out by RuTAG Centre IIT Roorkee	5	4
Davinder Pal Singh, M R Ravi, Sangeeta Kohli, Raj Kumar Gupta and Mangal Sharma. Improving the Traditional Joint-less Glass Bangle-Making Furnace and Related Tools	57	4
Suraj Bhat, Naman Doshi, Chetanya Dev Bharadwaj, S N Singh, Younus Patel and Subir Kumar Saha. Design of a Low-Cost Full-Face Mask for Stone Carvers	32	4
Ganesh Sharma, Deepak Kumar and Subir Kumar Saha. Tribology of steel-steel contact: Comb-cutter assembly for Sheep hair shearing device developed at IIT Delhi	25	4
Davinder Pal Singh and A K Gosain. Development of a Low Cost Ground Water Level Measuring Device	56	4
Raj Kumar Gupta, Davinder Pal Singh, Subir Kumar Saha, Mangal Sharma and Sabyasachi Chatterjee. Improved Technologies Under the Rural Technology Action Group (RuTAG) at IIT Delhi	41	4
Kanika Prajapat and Samrat Mukhopadhyay. Chirala Handloom Cluster - A solution to convert the tedious job of street sizing into a more of efficient/ergonomic/easier process	21	4
Improving the Design of Bullock Driven Tractor (BDT) to Make it User-Friendly	55	4