

2023 Global Conference on
Recent Advancements in Sustainable Materials (GC-RASM 2023)

27 - 28, JULY 2023 | Namakkal, India | <http://gcrasm.com/>

Program Schedule

Date	Time	Event
27.07.2023	10.00 am to 10.30 am	Inaugural Function
27.07.2023	10.30 am to 11.30 am	Keynote Address #1(OFFLINE): Dr. A. P. Senthilkumar Associate Professor, PSG College of Technology / Keynote Address #2(ONLINE): Dr. G. Ashok Matani Professor (Ret.), Govt. College of Engineering, Jalgaon
	11.30 am to 04.00 pm	Session: RASM01(OFFLINE)
		Session 1: CE01(Online)
		Session 2: ME01(Online)
		Session 3: APC01(Online)
Session 4: PCM01(Online)		
28.07.2023	10.30 am to 04.00 pm	Session 5: CE02(Online)
		Session 6: ME02(Online)
		Session 7: ACH01(Online)
		Session 8: AEC01(Online)

CE - Civil Engineering

ME - Mechanical Engineering

APC - Applied Physics & Chemistry

PCM - Polymers, Composites, Materials – Processing & Applications

ACH - Applied Chemistry

AEC01 – Applied Electronics & Computational Physics

Note:

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google meet platform.
3. Participants can join their respective sessions by clicking the meet link given
4. Mode of presentation should be powerpoint presentation (ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 5 minutes (Queries)
6. Participant SHOULD join the session at least 30 minutes prior to their scheduled time.
7. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
8. Participants are requested to contact the respective session coordinators for presentation related queries.
9. If any problem connecting to session, please text to the respective session In-Charges (Or) GC-RASM Whatsapp group during presentation date(s).

Session 01: CE01 - ONLINE

Date: 27.07.2023

Time: 11.30 am to 04.20 pm

Session Coordinator : Mr. Raj kumar.B

Session link : <https://meet.google.com/inz-ruaz-hnu>

Time	Paper ID	Paper Title	Author(s)
11.30 am	RASM 1042	Research the Durability of the Bridge Girder in Front of the Truck 1.25 Tons the Load when the Truck is Overloaded	Danh Nguyen Thanh, Phat Khau Tan and Truc Tran Thi Ngoc
11.50 am	RASM 1087	Design and Finite Element Analysis of Suspension Systems for High-Speed Vehicles	Jayant Bhavsar, Smit Patel, Prutthak Patel, Sarjan Pandya, Dhaval B. Shah, Absar Lakdawala
12.10 pm	RASM 1089	Experimental Investigation on Fibre Reinforced Geopolymer Concrete	A. Dhanalakshmi, M. Indhumathi Anbarasan, J. Ramprasath, S.Deepa, V.Ragavan
12.30 pm	RASM 1102	Research of Suspension System Stiffness Affects the Dynamic Load of a Three-Axle Vehicle	Son Phan Hoang, Nhan Nguyen Hoang, Khoi Phan Chuong Anh and My Phan Thao
12.50 pm	RASM 1105	Consequence of Delay in Curing on Strength and Bond behavior of High-Performance Concrete	K.Poongodi, P.Murthi
02.00 pm	RASM 1109	Tensile and Flexural Strength Evaluation of Cenosphere and Sabai Grass (Eulaliopsis binata) Reinforced Composite	Shambhu Kumar, Ratnakar Das, Sambit Kumar Parida
02.20 pm	RASM 1114	Fabrication and Application of Cost Effective Activated Carbons In Removing Hexavalent Chromium Metal – Newfangled Material in Detoxification Perspective	R. Sivarethinamohan, S. Sujatha, B. Anuradha, T. Udaya Banu, S. Packialakshmi
02.40 pm	RASM 1119	Performance Evaluation of Nanoclay filled GRP Composite manufactured using Dough Moulding Compound	Nitin Ambhore, Yashwant Munde, Ashok Mache, Atul Kulkarni, Bhagyesh Pingle, Asitang Lahurikar, Chaitanya Nimbalkar and Avanti Nagrale
03.00 pm	RASM 1120	Design and manufacturing system for plastic tiles and Analysis of Waste Plastic Tiles and Ceramic Tiles	Vipin yadav, Amman jakhar
03.20 pm	RASM 1151	Development of Basalt Fibre Reinforced Light Weight Concrete Using Expanded Polystyrene Beads	Uma Magesvari. M, Muthaiyan. P, Yugasini. S, Dharsath Raaj S M and Joyce Anto Thomas

03.40 pm	RASM 1154	Development of High-performance Nano coated coir fiber cement composite using Surfactant Functionalized Multi-walled Carbon Nanotubes	Akshata Musale, A M Hunashyal, Roopa A.K, Arun Y. Patil
04.00 pm	RASM 1159	Efficacy of treated kenaf fibers on mechanical properties of concrete	Ravindran Gobinath, Jayaprakash Sridhar

Session 02: ME01 - ONLINE

Date: 27.07.2023

Time: 11.30 am to 04.20 pm

Session Coordinator : Ms. Suganya

Session link : <https://meet.google.com/icm-exmb-dhh>

Time	Paper ID	Paper Title	Author(s)
11.30 am	RASM 1014	Optimization of the process parameters such as Welding speed, Arc voltage, Shielding gas proportion and filler metal to find the corresponding optimum output variables – Tensile strength and Impact strength on SS409M with MAG Welding	Yuvrajsinh Raol, V. B. Patel
11.50 am	RASM 1061	Temperature-Step/Hold Multi-Frequency Dynamic Mechanical Analysis to Study Viscoelastic Behaviour of Shape Memory Epoxy for Space Structure and Component	Avadesh Yadav, Rushikethu Badardinni, Ratnesh Kumar Yadav, Satish Kumar and Abhishek Kumar
12.10 pm	RASM 1062	Identifying Different Parts of the Boiler Faults using IR Thermography in Thermal Power Plants – An Expert System Approach	Ch. Vinay Kumar Reddy, V.Mahesh, I. Rajasri
12.30 pm	RASM 1077	Tensile property comparison of Banana- Sisal and Acacia fiber Composites	Ashok Gandhi R, Ravinthiran A, Palani Kumar K, Ravindra Kumar P, Keerthivasan P
12.50 pm	RASM 1080	Experimental Investigation of Mechanical and Metallurgical Properties on Aluminum (AA3003-H14) and Mild Steel (St 52) Friction Stir Welded Joints	Supraja Reddy. B, Sumalatha. M, Ram Gopal Reddy. B, Avinash. P and Yeshurun. P
02.00 pm	RASM 1085	Experimental Investigation on Sustainable Machining of Hastelloy C-276 Utilizing Different Cooling-lubrication strategies	Robin Kumar, Gurpreet Singh, Vivek Aggarwal
02.20 pm	RASM 1086	Sustainable Machining Performance of Hastelloy C-276 under DRY, MQL, and RHVTMQL Conditions	Fuzail Ahmed, Gurpreet Singh, Vivek Aggarwal
02.40 pm	RASM 1094	Experiment Investigation into Machining of Hastelloy C-276 Using Nano-Minimum Quantity Lubrication	Satvir Singh, Gurpreet Singh Thind
03.00 pm	RASM 1096	Multi-Objective Parametric Optimization on FDM Printed PLA Using DFA Technique	Allen Jeffrey. J, Suresh Kumar. S, Vaidyaa. P, Anan Saran. J, Ajith. P, Chithrandi. U

03.20 pm	RASM 1097	Evaluating the Optimal Parameter for Tensile Strength of 3-D Printed PLA	Allen Jeffrey. J, Suresh Kumar. S, C. Krishnamurthy, Felix Clament Raj. A, Chandrasekar. S, Elumalai. R
03.40 pm	RASM 1107	Snake Locomotion Inspired Elongating and Bending Type Soft Pneumatic Actuator	Narendra Gariya, Amir Shaikh, Pankaj Baranwal, Ashish Sudhanshu Dwivedi
04.00 pm	RASM 1117	A Novel method for selection of core materials of BLDC motor using FEM analysis	Dibyadeep Bhattacharya, Raja Gandhi, Sadhan Gope, Karma Sonam Sherpa and Rakesh Roy

Session 03: APC01 - ONLINE

Date: 27.07.2023

Time: 11.30 am to 04.00 pm

Session Coordinator : Mr. Harish Gowtham

Session link : <https://meet.google.com/vft-vsku-byg>

Time	Paper ID	Paper Title	Author(s)
11.30 am	RASM 1045	Effect of calcination temperature on the Optical and Structural Properties of Alumina (Al_2O_3) Nanoparticulates	Ritu, Sunil Kumar Dwivedi, Rajesh Sharma
11.50 am	RASM 1055	AntiMicrobial Activity of carica papaya seed-optimization for Caffeic Acid using Response surface methodology	Gumma Jayasri, Akhil Arava, Sandeep Sirohi, Avinash singh, D Appala Naidu, Meena Vangalpati
12.10 pm	RASM 1067	Tuning Optical Properties of Bimetallic Nanostructures using Galvanic Replacement	Soumili Roy and Abhishek Kumar
12.30 pm	RASM 1068	Exploring the Frontier of Electrocardiogram Analysis using rGO Nanoelectrodes	S. Kavitha, R.K. Bhoopesh, K.S. Mohan
12.50 pm	RASM 1074	Synthesis, Characterisation and Biological activity of Schiff Base Complex	Ajmal Sha, R Gayathri, Tevin Terence, Arif Nazeer and Divya Mohan
02.00 pm	RASM 1083	Study of (NPD/PC60BM/BPhen/TPBi) OLED and its various characteristics	Ritu, A. M. Quraishi, Sandhya Kattayat, Jasgurpreet Singh, P. A. Alvi
02.20 pm	RASM 1093	Study of structural and optical properties of ZnO doped with Al for solar-cell applications	CH. Kalyani, I.V. Subba Reddy, P.Raju, P. Missak Swaroop Raju
02.40 pm	RASM 1147	Investigation of Morphological and Photonic Absorption Characteristics of Al Incorporated CdS Thin Nano Films	Vandana Rathore
03.00 pm	RASM 1189	The influence of temperature on the size, optical behaviour and surface wettability nature of 2 Dimensional ZnO nanostructures	Rajita Ramanarayanan, Ramya M, Dhandapani K R
03.20 pm	RASM 1204	Study on Structural and Dielectric Behaviour of $\text{Li}_{0.3}\text{Zn}_{0.3}\text{Co}_{0.1}\text{Fe}_{2.3}\text{O}_4$	Madhumita Dalal, Sukhendu Sadhukhan and Pabitra K. Chakrabarti

03.40 pm	RASM 1226	Syzygium cumini seed extraction, its optimization and characterization of Ellagic acid for ant microbial activity	Pabbathi Debora divya, Shanthi Silvia, Anand Kumar Nelapati, D.V. Surya prakash, Meena Vangalpati
04.00 pm	RASM 1213	Optical and Biological properties of 4-Aminopyridinium Hydrogen Glutarate crystal	Jeyanthi P, Sinthiya A

Session 04: PCM01 - ONLINE

Date: 27.07.2023

Time: 11.30 am to 04.20 pm

Session Coordinator : Ms. Periyadharshni

Session link : <https://meet.google.com/mfi-gnqh-qdr>

Time	Paper ID	Paper Title	Author(s)
11.30 am	RASM 1012	Artificial neural network prediction model for the mechanical properties of the BF/AZ31B-H24 magnesium-based fiber metal laminates	Mohamed Zakoulla, Salim Sharieff
11.50 am	RASM 1112	Thermal healability of the ionic elastomers with mixed curatives	Srikanth Bhaskar Billa, Sangram K. Rath, Debdatta Ratna
12.10 pm	RASM 1240 (Poster)	Magnetic and luminescent praseodymium-doped carbon dot–cyclodextrin polymer nanocomposite as an anticancer drug-carrier	V. Manikantan, I.V.M.V Enoch
12.30 pm	RASM 1146	Effect of Dielectric Fluid and Control Parameters During Machining Al 7055 and Nano Si3N4 Metal Matrix Composites	Vijayendra Kukanur, Ajith Arul Daniel S
12.50 pm	RASM 1148	Exploring the Interplay of Air Pollution, CO ₂ Emission, Energy Consumption, and Health Risks in Nanotechnology Applications	Subramaniam Saranya Sree, Chinnasamy Malarvizhi, Subramaniam Swarna Kamala
02.00 pm	RASM 1149	Antibacterial Activity of Gallic Acid Loaded Polyvinyl Alcohol Nanofilm and its Characterization	Balaji P, Shibi Chackravathy, Anusha Ramesh, Sri Vathsan Ramesh, Srinidhi V G and Veerabhuvaneshwari Veerichetty
02.20 pm	RASM 1150	Synthesis, properties and applications of perovskite phase BaZrO ₃ for solar cell applications	Ekta Tamrakar, R. N. Patel, Arun Kumar, Raunak kumar Tamrakar, Kanchan Upadhyay
02.40 pm	RASM 1181	Synthesis and Investigation of Conductive Polymer for Microstrip Patch Antenna Applications	A S Saranya, S Rathinavel
03.00 pm	RASM 1191	Investigation on varying Wt% of Nickel Nanoparticles on the Thermal Properties of Polymeric Nanocomposites	Sampada Dravid, Satish Chinchanikar, Nitin Ambhore, Mahendre Gadage, Avinash Somatkar, Dattatray Nalawade, Praveen Rathod, Harshada Kolekar

03.20 pm	RASM 1197	Optimization of Precursor Volume and its Impact on the Characterization of Copper Oxide Thin Films Deposited by Nebulizer Spray Pyrolysis Technique	V. Jagadeesan, J. Charles Babu
03.40 pm	RASM 1198	Fabrication Process of an Embedded System Based Spin Coating Machine and the Growth of Magnesium Doped Zinc Oxide Thin Films	V. Jagadeesan, J. Charles Babu
04.00 pm	RASM 1223	Improving water flux using agave reinforcement in polymeric membranes	Jweshvari V. Tupe, Divya Padmanabhan

Session 05: CE02 - ONLINE

Date: 28.07.2023

Time: 10.30 am to 04.00 pm

Session Coordinator : Ms. Renugadevi

Session link : <https://meet.google.com/jyr-jbyu-uqa>

Time	Paper ID	Paper Title	Author(s)
10.30 am	RASM 1160	Experimental Inquest for Improving Strength in Concrete by adding Bamboo and Glass Fibers	Akash Ashok, Joseph George, C Vaidevi
10.50 am	RASM 1178	Durability Studies on SCC- Bacterial Concrete	C. Vaidevi, S. Monisha, D.S. Vijayan, P. Gomathi Nagajothi
11.10 am	RASM 1179	Dewatering of Dredged Sediments by Electrokinetic Geo- synthetic Filter Bags: A Laboratory Scale Study	Abhishek Appa Sutar, Veerabhadra M. Rotte, Swapnil S. Chougule, Tejswi Raju Lokare, Shrunkhala S. Patil, Sushant S. Naukudkar
11.30 am	RASM 1184	Performance Evaluation of Rice Husk Ash Concrete with Super Plasticizer	S. Yugasini, M.Uma Magesvari, P.Muthaiyan, P.Hemanandan and Dharsathraaj.SM
11.50 am	RASM 1190	Synergism of Blended Extract of Ageratum houstonianum and Chromolaena odorata Leaves on the Corrosion Inhibitor of Reinforced Steel in Concrete	Madhab Gautam, Laxman Gupta, Nabin Pandey, Nootan Prasad Bhattarai, Jagadeesh Bhattarai
12.10 pm	RASM 1207	Ecological-sustainable-green brick material: unfired manufacturing system, some features, and usage for greener built environment and construction technology	John Kinuthia, Mehmet Serkan Kirgiz, André Gustavo de Sousa Galdino, Ravindran Gobinath, Raul D.S.G. Campilho, Konstantinos G. Kolovos, Enrique Fernández Ledesma
12.30 pm	RASM 1208	Some Durability Properties- Water Penetration and Capillarity of Plenty of Much Construction Materials in terms of Efflorescence	Mehmet Serkan Kirgiz, André Gustavo de Sousa Galdino, Ravindran Gobinath, Raul D.S.G. Campilho, Konstantinos G. Kolovos, Enrique Fernández Ledesma
02.00 pm	RASM 1209	Additive manufacturing from oil shale ash for the roller compacted composite in the making road and highway in transportation engineering	Ahmed M. Ashteyat, Mehmet Serkan Kirgiz, Ravindran Gobinath, Raul D.S.G. Campilho, Said Kenai, Jamal Khatib, Konstantinos G. Kolovos, Enrique Fernández Ledesma

02.20 pm	RASM 1210	Biochar ash from wheat straw as supplementary cementitious material and its application in cement and mortar: physical, mechanical, and durability properties	Mehmet Serkan Kirgiz, André Gustavo de Sousa Galdino, Ravindran Gobinath, Raul D.S.G. Campilho, Konstantinos G. Kolovos, Enrique Fernández Ledesma
02.40 pm	RASM 1212	Biomedical waste Incinerated ash solidification/stabilization into construction materials	Anandh Babu Malayali, K Sri Ram Gopal, A Santhanamahalingamarunagiri, Balaji S and Prabudeva
03.00 pm	RASM 1221	Study on the Mechanical Behavior of Aramid Epoxy Composites with Coal Ash Filler	Seenivasan S, Melvin Jose D F, Golden Renjith Nimal R J, Madhava Reddy S, Maniyarasan M, Balasubramani S, Girimurugan R
03.20 pm	RASM 1224	An Experimental Study on RCC Beam Encased by WWM Wrapping Patterns under Torsional Load	Vivek V. Mane, Nandkumar K. Patil, Amey D. Katdare, Prasad J. Jadhav, Vikramsinh S. Tiware, Chetan S. Patil
03.40 pm	RASM 1049	Effect of Using Steel Slag as Replacement to Coarse Aggregate in Stone Mastic Asphalt	Kunal Jain, Maninder Singh, Ab. Mashhod Farhat

Session 06: ME02 - ONLINE

Date: 28.07.2023

Time: 10.30 am to 03.40 pm

Session Coordinator : Ms. Hemalatha

Session link : <https://meet.google.com/jsn-uygg-xnm>

Time	Paper ID	Paper Title	Author(s)
10.30 am	RASM 1152	Optimization of Process Parameters of CNC Wire EDM for EN-31 Material	Thia Paul, Indranil Mandal, Shankhajit Roy, Subhadeep Bera, Arup Debnath, Rajdeep Karmakar, Tanumoy Ghosh, Sandeep Deb, Anal Ranjan Sengupta
10.50 am	RASM 1156	Considerations in Lubrication of Journal Bearing for Performance Enhancement	Maniyar Kamalkishor, Jadhav Pallavi, Gidhad Bhagwat, Harsur Sunilkumar, Waware Shital and Biradar
11.10 am	RASM 1157	Design, Synthesis and Analysis of Hybrid Metal Matrix Composites	Maniyar Kamalkishor, Sarode Ghanasham, Warke Pushparaj, Kolhe Pankaj, Ingle Murlidhar, Patil Prashant
11.30 am	RASM 1171	Multi Response Study on Wire Electrical Discharge Machining of Aluminium Alloy through Various Optimization Techniques	S.Gokul Raj, H.Dineshkumar, S.Mahendiran, S. Suresh Kumar, V.Sivaraman
11.50 am	RASM 1172	Direct Metal Deposition: A Promising Approach in 3D Metal Printing	Adarsh Patil, Shamanth Vasanth, Hemanth Krishna, Narayanaswamy K S, Madhan J, Rayappa Shrinivas Mahale, Gangadhar M Kanaginahal, P C Sharath, R Shashanka
12.10 pm	RASM 1192	Investigation on turning Inconel 718 using nanofluid under minimum quantity lubrication (NFMQL)	Paresh Kulkarni, Satish Chinchanikar, Nitin Motgi
12.30 pm	RASM 1199	Investigation on pre-and post-treated coated carbide tools during turning AISI 304 stainless steel	Mahendra Gadge, Satish Chinchanikar, Dattatray Nalawade, Praveen Rathod
02.00 pm	RASM 1200	Ultrasonic vibration-assisted hard turning of AISI 52100 steel using PVD-coated TiAlSiN carbide tool	Govind S. Ghule, Sudarshan Sanap, Satish Chinchanikar
02.20 pm	RASM 1217	Utilizing Machine Vision and Advanced Image Processing Techniques for Automated Evaluation of Surface Finish in Aluminum 6101 Alloys	Shalupriya. M, K. P. Indira

02.40 pm	RASM 1218	On-line tool wear measurement for micro turning round tip tool based on machine vision	Shalupriya. M, K. P. Indira
03.00 pm	RASM 1222	Analysis of Magnetic Field Density and Shear Stress in Magneto-Rheological Damper	Vinod Chauhan, Ashwani Kumar, Radhey Sham
03.20 pm	RASM 1231	Characterization of CoCrFeMnNi High-entropy alloy powder synthesised by High energy ball milling	B. Sabin, K. Sekar

Session 07: ACH01 - ONLINE

Date: 28.07.2023

Time: 10.30 am to 04.20 pm

Session Coordinator : Ms. Dinesh

Session link : <https://meet.google.com/kma-jvju-ein>

Time	Paper ID	Paper Title	Author(s)
10.30 am	RASM 1065	Amitriptyline Hydrochloride Drug: Spectroscopic Determination Using Orthophenylenediamine as Coupling Reagent	Nebras Mohy Ali, Asmaa Ahmed Mohammed
10.50 am	RASM 1126	Synthesis and Characterization of Heterocyclic Compounds as Antibacterial Drugs	Sanaa K. Ibrahim, Salwa Abdul S. Jabbar
11.10 am	RASM 1166	Spectrophotometric estimation of Methyl dopa using Schiff's base formation reaction	Mariam K. Amin, Qabas N. Rashid
11.30 am	RASM 1167	Synthesis and characterization of cadmium(II) mixed ligands complexes derived from 1-benzoyl benzo[d]1,2,3-triazole with tertiary phosphines ligands	Huda S. Khalil, Luma A. Al-Doori, Ahmed A. Irzoqi
11.50 am	RASM 1170	Platinum(II)-dithiocarbamate complexes with phosphines: Synthesis, characterization and precursor for Pt nanoparticles using ultrasound assisted method	Mawahib Q. Al-Douri, Asra'a I. Yaseen, Modher Y. Mohammed
12.10 pm	RASM 1177	Preparation and characterization of some new pyrazoline derivatives by solid base catalyst Al_2O_3 -OMg and evaluation of their biological activity	Jamil N. Saleh and Khalid A. Al-Badrany
12.30 pm	RASM 1201	Preparation, characterization, evaluation of the biological activity and molecular anchoring of zinc(II) complexes with dithiocarbamates and tertiary phosphines	Modher Y. Mohammed, Riyad Y. Mohammed
02.00 pm	RASM 1202	Synthesis and Characterization of New Compounds of Amic Acids Derived from 4-amino Antipyrine, the Study of Some Physical Applications and Evaluation of Their Biological Activity	Suhad H. Kareem, Nabil J. Ayed
02.20 pm	RASM 1203	Synthesis and Characterization of some nanoparticle decorated with a pyridine ring and containing schiff bases	Ban Dawood Saleh, Farah Muthana Muhammed, Ghazwan Hasan Abdulwahhab

02.40 pm	RASM 1205	Synthesis, Characterization and Anti-cancer activity of some Hg(II) complexes with mixed 2-1H-benzoimidazol-2-amine and phosphines	Alaa. H. Ali, Ahmed A. Irzoqi
03.00 pm	RASM 1227	Evaluation of the level of ghrelin and some biochemical variables in patients with type II diabetes associated with obesity	Mahmoud Younis Al-Mashhadani, Wassan Nazhan Al-Assi
03.20 pm	RASM 1228	Preparation, Characterization of New Oxazepine Derivatives by Al ₂ O ₃ - ONa Solid Base Catalyst and Biological activity evaluation	Mohammed Jwher Saleh and Khalid A. Al-Badrany
03.40 pm	RASM 1232	Synthesis and characterization of some new pyrimidine derivatives via solid base catalyst Al ₂ O ₃ -ONa.	Yesra kh. M., Amar S., Khalid A. Al-Badrany
04.00 pm	RASM 1233	Preparation and Characterization of Some Nanocomposites Derived from Graphene Oxide	Ammar S. Eddin Mohamed, Ghazwan .H.Abdul-Wahhab

Session 08: AECPO1 - ONLINE

Date: 28.07.2023

Time: 10.30 am to 02.40 pm

Session Coordinator : Mr. Arulkumar

Session link : <https://meet.google.com/kpt-wowb-kcs>

Time	Paper ID	Paper Title	Author(s)
10.30 am	RASM 1004	Optimizing Soaping Process Parameters for Reactive Dyed Cotton Knitted Fabrics	Gurumurthy. B. Ramaiah & Cheru Geremu, Robel Legese, Daniel Asfaw, Seblework Mekonnen, Senay Yacob Baraki, Kidist Tadesse, Tesfay Welamo, Eshetu Solomon
10.50 am	RASM 1002	Influence of Dynamic Analysis by Infrared Thermography (IRT) and Non-Destructive Testing (NDT) on Alternative Predictive Diagnosis of Automotive Brake Rotors in Light Vehicles	Kevin G. Cisneros, Christian R. Sánchez, Oscar B. Arteaga and Héctor C. Terán
11.10 am	RASM 1006	Parametric analysis and optimization of the chassis of a Go Kart competition vehicle by means of computational software based on mathematical algorithms	Oscar B. Arteaga, Héctor C. Terán, Fausto A. Jácome, Luis A. Coello and Jonathan R. Zurita
11.30 am	RASM 1048	Design and finite element analysis of a tyre shredding machine for the materials laboratory	Edison O. Argüello, Oscar B. Arteaga, Najely B. Gálvez and Luis B. Guevara
11.50 am	RASM 1188	Collaborative Omnidirectional Robot with Remote Eye Tracking System to Optimize Mobility	Guido Vásquez T, Alissa Morales P, Héctor C. Terán and Oscar Arteaga
12.10 pm	RASM 1090	Analysis of Geometric Parameter Variation Effect on Electrostatic Characteristics of 3D Double Gate Junctionless Transistor	Achinta Baidya, T. R. Lenka and S. Baishya
12.30 pm	RASM 1111	Characteristics Analysis of DMG SOI MOSFET using both High-k and Low -k Dielectrics Materials	Soma Rani Patra, Arpita Ghosh, Tiya Dey Malakar
02.00 pm	RASM 1163	Principle Study of $\text{Co}_{16}\text{O}_{32}$ and $\text{Zn Co}_{15}\text{O}_{32}$ electrodes for Optical super-capacitors to enhance the Performance of Solar Micro-Inverter	Ekta Tamrakar, R.N. Patel, Arun Kumar, Mohan L. Verma, Ruchira
02.20 pm	RASM 1168	Schottky Barrier Dependent 2DEG model for GaN/AlInGaN/AlN/GaN Heterostructure	Neha Pande, Kavita T.Upadhyay, Manju K.Chattopadhyay