

Venue: A1402

Theme	Time	Title	Author/s
Structural Engineering	0940-1000	Bending Strength of Reinforced Concrete Beams Made of High-Strength Concrete	Bernardo Lejano, Edrick Dan Lim , Erwin Uy , John David Yu
	1000-1020	Effects of Fire on the Flexural Behavior of Reinforced Concrete Beams	Bernardo Lejano, Joaquin Galang , and Marc Neal Molina
	1020-1040	Genetic Algorithm Simulations for Optimum Design of RC Space Frames	Alden Paul Balili and Andres Winston Oreta
	BREAK		
	1100-1120	Centrifuge Modeling to Determine the Bearing Capacity of Spread Footing in Sand Under Combined Loading	Mary Ann Adajar
Mechanical Design	1120-1140	Design, Fabrication, and Testing of an Automated Wheel Chair-To-Bed Transferring Unit	Margarita Antonio, Maria Carla Dela Cruz, Josue Robertson Reyes , Shixin Lin, Raymond Lim, Leonardo C. Medina Jr., and Archie Maglaya
LUNCH BREAK			
Process Automation	1300-1320	Stainless Steel Rod Polishing and Buffing Machine	Michael John Cuaresma, Juan Encomienda, Gio Fontanilla , Jonathan Profugo, Carlo Sobingsobing, and Arthur Pius Santiago
	1320-1340	Automated Slush Vending Machine	Jeremiah Co, Jonathan David Go, Erwin Arnaldo Lim, Oliver Chris Lo, Marlon See , and Arthur Pius Santiago
	1340-1400	Design of a 3-Axis Automated Wall Sander	Heston Caw, Randy Llanoes Dee, Armyrn Sy, Reginald Sy, Cliff Yu and Marlon Musngi
	1400-1420	Development of an Automated Reverse Vending Aluminum Can Crusher	Nilo Bugtai , E.V.Y. Fong, T.A. Serrano, H.K. Syki, and G.S. Yu
	1420-1440	Recycled Polypropylene Wastes as Replacement to Polyvinyl Chloride Floor Tiles	M.Felicitas, J. Añosa, H. Chen, L. Chung, E. Lim, and H. Co
PLENARY			
BREAK			
Information Communication Technology	1540-1600	A CMOS Design of PWM Boost Converter with Feedback Comparator Array Using TSMC 0.35um Library	Roderick Yap
	1600-1620	Integrating FGPA Design Flow in Teaching Computer Architecture in the Undergraduate Computer Engineering Curriculum Using a Scalable Computer Architecture	Cesar Llorente
	1620-1640	Antenna Pattern Optimization for FM Broadcast	Gerino Mappatao and Felicito Caluyo
	1640-1700		