Nile University
جامعة النيل

May Newsletter

2025
ISSUE#41

“Innovation is seeing what everybody has seen and thinking what nobody has thought.”

— Dr. Albert, Szent- Györgyi

EVENTS

Events

NU Annual Student Life Office (SLO) Achievements Day

Nile University hosted its annual Student Life Office (SLO) Achievements Day, a special event dedicated to celebrating the remarkable efforts and accomplishments of our students throughout the academic year.

This year's celebration honored work-study students from various departments, including the SRO, SEEC, Registrar, Marketing, IECC, and SLO, recognizing their commitment and behind-the-scenes contributions to campus life. We also proudly highlighted the dedication of our GYM officers and sports teams, whose hard work continues to inspire the NU community.

A standout moment of the day was the "Behind the Scenes Hero Award", created to appreciate those students whose quiet contributions make a significant difference.

The celebration ended with a tribute to the Student Union and NU's Top 5 Clubs (ICPC, IEEE, NIMUN, Book club, and Wessal), showcasing the energy and spirit that define student life at the university.

Here's another year of growth, collaboration, and student excellence at NU.

Events

First Open House of the Season

We launched the season with our first Open House, welcoming prospective students and their families to explore what NU has to offer. Attendees joined an informative presentation on our academic programs, vibrant student life, and the admissions process. The event concluded with engaging discussions led by faculty experts and a guided tour of our state-of-the-art campus facilities.

Major Tryout Series – Round 2 Highlights

• **Get to Know BMD: Where AI, Medicine, and Biology Meet!**
As part of the second round of the Major Tryout Series, NU hosted Get to Know BMD—an exciting introduction to the Biomedical Informatics program. Dr. Maysara, Program Director, presented the diverse career paths available in this innovative field. Through interactive activities and hands-on demos, students discovered how artificial intelligence is transforming medicine and biological research.

• **Narratives in Architecture: Design with Light**
The Architecture and Urban Design (ARUD) program welcomed high school students for an immersive day of creative exploration. Led by Program Director Dr. Dina Shehayeb, participants experienced a hands-on workshop where they designed, built, and brought architectural stories to life using light as a narrative tool.

• **Gen Bio Tech: DNA – Unveiling Our Secrets**
In a unique and interactive crime scene investigation, the Biotechnology program offers students an unforgettable introduction to the field. Acting Dean Dr. Asmaa AbuShady guided participants through the fundamentals of biotechnology and its interdisciplinary applications, demonstrating how DNA analysis plays a crucial role in solving real-world problems.

• **CTRL+Future: Hack the Real World of Computer Science**
The Computer Science program invites high schoolers to dive into the world of coding and digital innovation. Dr. Walaa Medhat introduced students to the various tracks and specializations within the Information Technology and Computer Science (ITCS) school, showcasing the endless possibilities within the tech field.

• **Unboxing Business: Discover Your Path in the World of Business!**
Wrapping up the second round of Major Tryouts, students explored the dynamic fields of Marketing, Supply Chain & Operations, Finance, and Entrepreneurship. Through fun and interactive sessions, participants got a hands-on look at real-world business challenges and discovered where their passions lie.

Events

From Basics to Breakthroughs: Dr. Islam Tharwat Guides Attendees Through the AI Landscape at AUC Egypt

Dr. Islam Tharwat delivered an insightful presentation titled “Intro to Machine Learning, Deep Learning, and Reinforcement Learning” at The IEEE Computer Society Region 8 AI Caravan Workshop 02: “AI Foundations & Frontiers: Machine Learning, AI Tools, and Responsible Intelligence.” With his clear and simplified approach, he effectively demystified these fundamental concepts, helping attendees grasp the essential pillars of Artificial Intelligence.
His talk served as a strong starting point for anyone looking to deepen their knowledge in this rapidly evolving field, opening new horizons for understanding the transformative potential of AI.

Dr. Irene Samy Honored for Her Role as Jury Member in the “Misr El Kheir Award for Charitable Giving and Sustainable Development”

Dr. Irene Samy, Director of the SESC Center, was honored for her outstanding contributions as a jury member during the sixth edition (2024 cycle) of the “Misr El Kheir Award for Charitable Giving and Sustainable Development”. The prestigious event was held under the patronage and in the presence of H.E. Dr. Maya Morsy, Minister of Social Solidarity, and organized by the Arab Center for the Sustainability of Civil Society Work.

The award, now in its sixth year, celebrates excellence in philanthropic entrepreneurship and sustainable impact across Egypt. Dr. Samy was recognized for her expertise, integrity, and commitment in evaluating innovative initiatives and guiding the selection of top winners whose work has positively transformed communities.

ACHIEVEMENTS

Achievements

Empowering Innovation: Dr. Irene Samy Champions Collaborative Research at Cairo University Celebration.

Dr. Irene Samy, Nile University's director of the Smart Engineering Systems Research Center (SESC), has delivered a powerful keynote lecture titled "Collaboration as a Catalyst: Building Impactful Research Networks".
Dr. Irene shared valuable insights on fostering cross-disciplinary and cross-border research networks that drive real-world impact. And the importance of collaboration in scientific innovation, especially when it comes to sustainability, capacity building, and inclusive research.
The event was a tremendous success, highlighting the increasing influence of female scientists in shaping the future of research and innovation in Egypt and beyond.

Research Spotlight: Dr. Mahmoud Shaaban Presents at Military Technical College Symposium

Dr. Mahmoud Shaaban, Assistant Professor and Thermal Engineering Research Group Leader at the SESC Research Center, recently represented the center at the Annual Science and Technology Symposium organized by the Military Technical College, Egypt held May 12–15, 2025.
Dr. Shaaban presented a paper titled "Effect of Coupled Rotational and Transverse Vibration on the Vortex Structures Around a Rectangular Cross-Section", a study that focuses on introducing innovative approaches for enhancing the resilience of structures, equipment and vehicles against vibration-induced failures.
The presentation garnered significant interest and sparked in-depth discussions among researchers from both national and international institutions, emphasizing the impact and relevance of the group's ongoing research efforts.

Shaping the Future of Engineering: Prof. Ahmed H. Madian Headlines ICEENG 2025 with Visionary Keynote

We are delighted to announce that Prof. Ahmed H. Madian, Program Director of Electronics and Computer Engineering (ECE) at Nile University, served as a keynote speaker at the 15th International Conference on Electrical Engineering (ICEENG 2025), hosted by the Military Technical College in Cairo.
This prestigious event, held annually, is a major platform for researchers, industry experts, and academics to shar the latest advancements in electrical engineering, signal processing, embedded systems, and circuit design.

UNIVERSITY FAIRS & VISITS

University Fairs & Visits

SEEC Field Visit to Kellogg Noodles Egypt!

A group of Nile University students from Biotech, Supply Chain, Industrial Engineering ECE Engineering had a unique chance to visit the Kellogg's Tolaram Noodles Egypt factory, a leader in the food manufacturing industry in Egypt.
Students had the chance to gain firsthand insight into the manufacturing process of famous instant noodles, explore the factory, and learn about the various stages of production.
The highlight of the visit was the captivating presentations from the marketing, safety, and supply chain teams, who shared their valuable expertise and insights into the industry. This knowledge will surely help our aspiring NU students as they shape their future careers.

STUDENT LIFE

Student Life

Discovery Tours

The SR Team continues to host guided campus tours every Monday for interested students and their families. These tours offered a comprehensive overview of student life, campus facilities, and admission requirements. Visitors also have the chance to interact directly with faculty experts and answer their questions in person.

Ambassador Training Sessions

As part of the ongoing collaboration between the Marketing Team and the Student Recruitment Office to produce major-focused social media reels, our NU Ambassadors participated in a content creation workshop led by Dr. Mostafa Elbolok, Assistant Professor of Marketing at the School of Business. The session focused on creating engaging and informative digital content.

NUCPA 2025: Nile University Competitive Programming Arena

Nile University hosted the second-largest competitive programming contest in Egypt organized by the ICPC NU Community. This year's edition brought together 800+ applicants from more than 90 institutions all over the country. After a rigorous online qualifier, the top 300 competitors advanced to the onsite round held on Nile University's campus. NUCPA was created to showcase Nile University's presence in the tech and programming scene, reflecting the dedication, creativity, and determination of a student-led community that worked for months to bring the event to life.
NUCPA is more than just a contest — it's a statement that Nile University is a hub for innovation and excellence. The event was made possible through the support of Nile University, NilePreneurs, and a group of generous sponsors, including Manara, Kimit Academy, Infinity Code, LapBoost, Oat Choco, Hayat Water, and Yes Juice.

ICPC NU Crowned Best Club at Nile University

In a proud and unforgettable moment, ICPC NU Community was crowned 1st Place – Best Club at Nile University for the 2024/2025 academic year. This recognition celebrates not only the club's technical achievements but also its powerful impact across campus.
From hosting national-level competitions like NUCPA, to offering weekly training, live contests, and mentoring sessions for over 380+ students, ICPC NU has redefined what it means to be a student club. Their commitment to community, knowledge-sharing, and excellence in competitive programming has made them a pillar of innovation at NU.
This achievement is a testament to the hard work of every team member, volunteer, and leader who believed in the club's mission. It also reflects the growing importance of technology, problem-solving, and collaboration in shaping the future.
With this title, ICPC NU continues to inspire — proving that passion and persistence truly pay off.

Student Life

RDP Drifting Event Vol.3

Nile University's outdoor garage was transformed into the ultimate playground for car enthusiasts at the RPM x NUSU Drifting Event Vol. 3 from 12:30 PM to 8:00 PM! The energy was off the charts! Bikers Elhadaba brought their A-game with a jaw-dropping bike show that had everyone snapping pics. Heroes Academy took drifting to a whole new level—think tires screeching and cars sliding like they were in a dance-off! Sharif Sakr and Sameh Aboulfath fired up the crowd with their thrilling, drifting stories. Stance cars roared, shaking the ground, while V10 drifting simulators let everyone unleash their inner racer. It was a day packed with heart-pounding action, camaraderie, and pure car love. Everyone left with huge smiles and unforgettable stories!

Nile University's Music Club came on 3rd at Band Royal

Nile University's music club has won third place in the Band Royal Inter-University competition hosted by ESLSCA university!

The event brought together some of Egypt's best university bands including teams from GIU, MSA, NGU, ESLSCA and GUC. Each band delivered a powerful performance reflecting their passion for music in an atmosphere filled with creativity, music and fierce rivalry.

NU's music club received praise from the esteemed panel of judges consisting of Mohamed Soliman (actor & musician), Ahmed Rabie (drummer & arranger), Michelle Rounds (singer & songwriter), and Dr Ebrahim Yousry (Associate Professor, Faculty of Music Education).

This achievement highlights NU Music Club's collective talent and dedication to the craft, as well as the vibrant and encouraging musical community here at Nile University! Congratulations to NU Music Club.

Student Life

IEEE Computer Society Region 8 (R8) AI Caravan Workshop

Nile University proudly hosted in the IEEE Computer Society Region 8 (R8) AI Caravan Workshop titled “From Idea to Impact: Domain-Specific AI through Innovation and Research”
During the 4th round of the AI Caravan Journey, several Nile University faculty members delivered impactful talks, demonstrating the university’s lead in AI Education, Research and Innovation.
• Eng. Ahmed Saleh kicked off the workshop with an engaging keynote that set the stage for a day filled with exploration and creativity. His session focused on entrepreneurship in AI and how innovative ideas can be transformed into impactful real-world solutions.

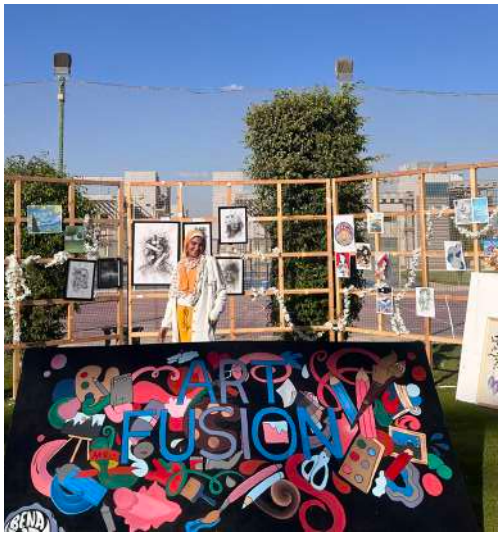
• Prof. Tarek Khalil delivered an inspiring talk on “The History of Technology,” tracing the roots of technological evolution and offering a forward-looking vision on the role of AI in shaping the future through domain-driven innovation.
• Prof. Walid Al-Atabany provided a data-driven overview of the evolution of Nile University’s Computer Science programs, highlighting tangible outcomes and achievements in domain-specific AI research and education.

• Dr. Tamer Arafa shared valuable insights on the practical application of AI across various fields, emphasizing NU’s structured enhancement of its IT curricula in alignment with global technological trends.

• Dr. Noha Gamal showcased student-led innovation by presenting real-world applications of AI through a live capstone demonstration titled Cursor AI, developed by NU students. She also emphasized her extensive experience in bridging AI research and practice.
The workshop underscored Nile University’s commitment to advancing AI knowledge, empowering students and researchers, and fostering meaningful innovation. It further solidified the university’s reputation as a hub for technological excellence and regional collaboration.

Student Life

Bena Art: Art Fusion



For the first time, Nile University hosted an event celebrating the artistic talents of its students and alumni. The event showcased a diverse array of artworks, ranging from paintings to digital designs, providing artists with a platform to display their creativity on campus.

This special occasion underscores NU's commitment to fostering talent and promoting artistic expression within its community.

WessalNU: Orphans Day

WessalNU celebrated Orphan's Day in an atmosphere filled with joy, laughter and heartwarming moments. 40 children began their day with a warm breakfast, followed by some fun activities such as face painting led by the Bena Art Club talented team.

The celebration continued in the auditorium, where the Book Club brought stories to life and encouraged the children to sing along to joyful songs, followed by a delicious lunch, giving the kids a chance to relax and recharge.

As the day progressed, the fun reached new heights with a giant slide, and the children wrapped up the festivities with gifts and smiles all around—a heartwarming reminder of the joy that kindness and shared moments can bring.

NU ALUMNI

NU Alumni

Alumni Spotlight | Omar Ragheb Publishes Research with Elsevier

We are excited to announce the publication of a new scientific paper by Omar Ragheb, an NU alum who earned his Master of Science in ICT – Information Security in 2023. His paper, titled "A Proactive Information Security Risk Assessment Model for the Educational Sector," was published with Elsevier, one of the world's leading academic publishing houses.

This innovative work presents a forward-thinking framework for identifying and addressing cybersecurity risks in educational institutions. You can read the paper here.
In addition to his research, Omar serves as the Security Systems and Security Operation Centre Manager and Learning & Development Trainer at Modern Sciences and Arts University (MSA). He also recently graduated as a Game Designer for Gamified Learning Experiences, with a graduation project focused on using game-based methods to enhance communication and conflict management in professional settings.
The NU Alumni Office proudly celebrates Omar's inspiring blend of scientific rigor and creative innovation. Congratulations, Omar!

Alumni Achievement | Ahmed Gamal Completes Managing Mastery Program by Harvard Business Publishing

We are thrilled to celebrate Ahmed Gamal, an NU alum who earned his bachelor's degree in business administration (B.B.A.) in 2015, for his remarkable achievements in personal and professional development.
Most recently, Ahmed reached a significant milestone by earning a certification from the Majid Al Futtaim People Management Academy: Managing Mastery Program, powered by Harvard Business Publishing. This intensive program offers valuable insights and practical frameworks on impactful leadership.
Currently, Ahmed serves as Regional Senior Manager – People & Organization at Majid Al Futtaim, where he applies his expertise and leadership skills to drive organizational excellence across the region. Congratulations, Ahmed, on your continued success!

NU Alumni

Alumni Spotlight: Omar Badr (MOT ‘20) Honored with CIO Excellence Award

We are incredibly proud to celebrate the remarkable achievements of our alum, Omar Badr, who earned his Master’s degree in Management of Technology (MOT) in 2020. Omar’s impressive career has reached a significant milestone with his recent accolade: the “CIO Excellence Award” for 2025 by IDC!

For the past 13 years, Omar has served as the Chief Information Officer at Al Masry Al Youm, showcasing exceptional leadership and innovation in technology. He also contributes his expertise as an Accredited Technology and Telecommunication Expert at the Egyptian Economic Courts.

Omar’s journey includes a distinguished career with impactful roles, such as Regional Technology Consultant at Unifonic Inc and Software Development/IT Director at Media International. The “CIO Excellence Award” reflects his philosophy of listening first, solving real problems, and ensuring that innovation delivers tangible value.

Being named among the top 1% of CIOs in Egypt is a humbling distinction that highlights his commitment to meaningful innovation and digital transformation. Congratulations, Omar, on this outstanding achievement! Your dedication and vision continue to inspire us all.

Alumni Spotlight: Kholoud Elwan

We’re thrilled to celebrate the exciting career advancement of our distinguished alum, Kholoud Elwan, who graduated in 2014 with a bachelor’s degree in industrial engineering and service management. Kholoud has recently embarked on a new journey as a Senior Customer Success Account Manager at Microsoft, showcasing her dedication and expertise in the tech industry.

Before joining Microsoft, Kholoud built a remarkable career at SAP, progressing through pivotal roles from Digital Core Cloud to Account Executive, ultimately excelling as a Senior Customer Success Manager for four years. Her exceptional performance earned her several prestigious accolades, including SAP Top Performer - Digital Core Cloud ME South Region and the highly coveted SAP Winner’s Circle in 2019, a recognition for those who exemplify SAP’s core values and deliver outstanding services.

Kholoud’s journey is an inspiring example of how our alumni are making significant impacts in leading global companies. We wish her all the best in her new role at Microsoft and look forward to seeing her continue to achieve wonderful things!

NU Alumni

Alumni Spotlight: Omar Embaby Shines as Star Achiever at Groupe SEB

We're excited to celebrate the recent accomplishment of one of our promising alumni, Omar Embaby, who graduated in 2022 from the School of Business Administration with a major in Accounting and Finance.

Omar has been recognized as the Star Achiever for Q1 2025 at Groupe SEB, where he has been working as an AR Specialist for the past year. This impressive recognition so early in his career is a testament to his dedication, skill, and the solid foundation he built during his time with us.

We extend our heartfelt congratulations to Omar on this well-deserved achievement and wish him continued success in his career at Groupe SEB!

Alumni Spotlight: Kareem Moussa

We would like to highlight the remarkable achievements of our alum, Kareem Moussa, who graduated from our Computer Engineering program in 2022 with an outstanding GPA of 3.95, earning him Highest Honors.

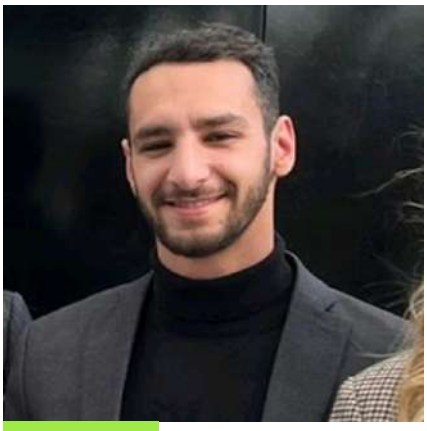
Kareem then successfully completed his Master of Science in Artificial Intelligence Engineering at the prestigious Zewail City of Science and Technology. This accomplishment underscores his commitment to advancing in the cutting-edge field of AI and reflects the strong foundation he built during his undergraduate studies.

Currently, Kareem serves as a Teaching Assistant (TA) in the Electronics and Computer Engineering department at our university. In this role, he shares his knowledge with current students, guiding them through complex concepts and helping them solidify their understanding.

Kareem's journey exemplifies how our alumni achieve personal and professional success while giving back to the institution that shaped their paths. His dedication to academic rigor, drive to specialize in AI, and commitment to nurturing the next generation of engineers highlight the caliber of graduates our program produces.
Congratulations, Kareem, on your significant accomplishments! We are incredibly proud to have you contributing to our academic community and eagerly anticipate your future contributions to the field of AI!

NU Alumni

Alumni Career Milestone | Ahmed Magdy Joins PHD as Associate Director



We are happy to share that our alum Ahmed Magdy, has recently started a new position as an Associate Director at PHD, a leading global media and communications agency! This new role at PHD marks a significant step in his career path and we are sure that he will continue to bring excellence wherever he goes

Ahmed graduated from Nile University in 2015 with a bachelor's degree in industrial engineering and began his professional journey the same year. Since then, he has been steadily progressing through the ranks with a strong focus on strategic thinking, innovation, and impactful leadership.

We cannot wait to see what else Ahmed will surely achieve in his career!

Alumni Spotlight | Ahmed Mohamed

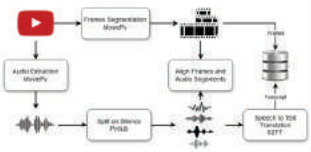
We are proud to celebrate NU Diploma alum Ahmed Mohamed, who graduated in 2012 with a diploma in Business, Management, Marketing, and Related Support Services. Currently serving as an ISE Lead at Apple, Ahmed continues to impress us with his drive and diverse passions.

Recently, he achieved a significant milestone by completing a Professional Diploma in Football Tactical Analysis from FC Barcelona, a testament to his lifelong love for the sport. For Ahmed, football is more than just a game; it's a deep-seated passion. Studying the tactics behind the game felt like a natural and fulfilling progression for him.

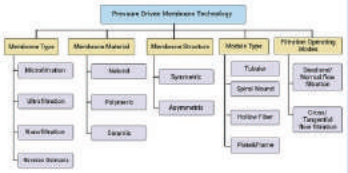
We congratulate Ahmed on this inspiring achievement and wish him continued success in both his professional career and his football journey!

PUBLICATIONS

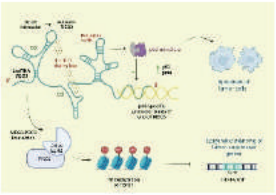
NU Publications on Scopus during May 2025



Ar-MuSA: A Multimodal Benchmark Dataset and Evaluation Framework for Arabic Sentiment Analysis
NU Authors: Salma Khaled, Mohamed E. Ragab, Ahmed K. Helmy, Walaa Medhat Asal, Ensaf Hussein Mohamed
Source: International Journal of Intelligent Engineering and Systems



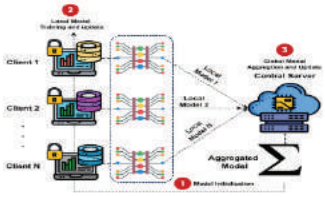
Lactic acid separation technologies: Enhancing efficiency and purity using membrane separation technology (mini review)
NU Authors: N. M.Salatein, Bothina M.Elmowafy, Rawan K. Hassan, Irene Samy Fahim
Source: Results in Chemistry



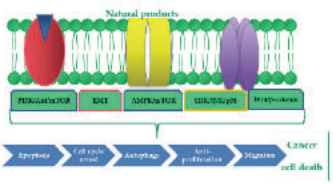
Deciphering the mysteries of MEG3 LncRNA and its implications in genitourinary cancers
NU Authors: H. H. Rashwan, A. M. Abdelhamid
Source: Frontiers in Oncology

Predicting Used Cars Prices in the Egyptian Market: A Machine Learning Approach
NU Authors: Mohamed Taher Gamal Eldeen, Sahar A. Fawzi
Source: 22nd International Learning and Technology Conference: Human-Machine Dynamics Fueling a Sustainable Future, L and T 2025

ARUC-GAN: A CycleGAN-Based Attention Residual U-Net for Low-Dose CT Denoising in Smart Healthcare
NU Authors: Lobna A. Said
Source: IEEE Access



A robust and personalized privacy-preserving approach for adaptive clustered federated distillation
NU Authors: Zainab Hassan Ali
Source: Scientific Reports

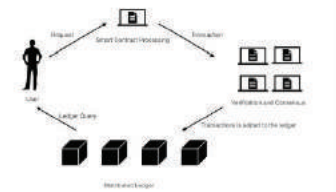


Alternative medicines in oncology: a focus on natural products against gastric cancer
NU Authors: Abdulrahman Hatawsh
Source: Naunyn-Schmiedeberg's Archives of Pharmacology

NU Publications on Scopus during May 2025

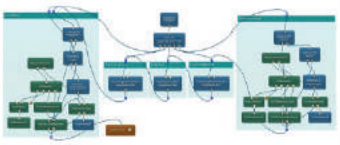
Aeroelastic and CFD Analysis of Bladeless Wind Turbines: Investigating the Impact of Reynolds and Strouhal Numbers on Performance
NU Authors: Mohamed Mahran Kasem, Tasneem Tarek Abdelkareem
Source: 2025 9th International Conference on Mechanical Engineering and Robotics Research, ICMERR 2025

Digitization of Medical Data: LLM-Based Data Entry, Cleansing, and Visualization Solutions
NU Authors: Mahmoud Amgad, Bahaa Shamoon, Hagar Mekhemar, Rodeen Mostafa, Toqa Tamer, Habiba Mohamed, Sahar A. Fawzi
Source: 22nd International Learning and Technology Conference: Human-Machine Dynamics Fueling a Sustainable Future, L and T 2025



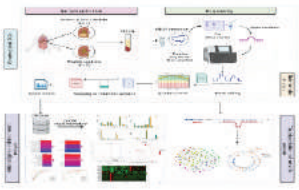
Enhancing Cryptocurrency Security: Leveraging Embeddings and Large Language Models for Creating Cryptocurrency Security Expert Systems
NU Authors: Ahmed A. Abdallah, Heba Kamal Aslan, Marianne Amir Azer
Source: Symmetry

A Deep Learning-Based Approach for Cell Segmentation in Phase-Contrast Images
NU Authors: Walid Al-Atabany
Source: IEEE Access



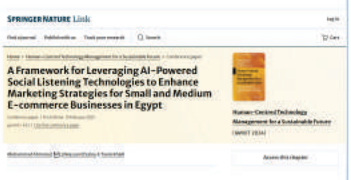
Aortic KD former: aortic multiclass segmentation using SegFormer via knowledge distillation
NU Authors: Nancy Mohamed Soliman, Mohamed A. ElHelw, Mustafa A. Elattar
Source: Machine Learning: Science and Technology

Bridging Gender Disparities in Mental Health: A Bilingual Large Language Model for Multilingual Therapeutic Chatbots
NU Authors: Ahmed Tamer Elboardy, Ziad Mohamed, Ghada Ahmed Khoriba, Tamer Arafa
Source: 22nd International Learning and Technology Conference: Human-Machine Dynamics Fueling a Sustainable Future, L and T 2025



Characterization and comparative profiling of piRNAs in serum biopsies of pediatric Wilms tumor patients
NU Authors: Youssef M. Fadel
Source: Cancer Cell International

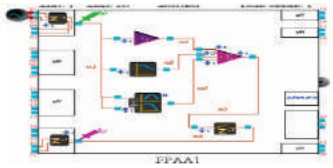
NU Publications on Scopus during May 2025



A Framework for Leveraging AI-Powered Social Listening Technologies to Enhance Marketing Strategies for Small and Medium E-commerce Businesses in Egypt

NU Authors: Mohammad Ahmmad, ElHassan Anas ElSabry, Tarek M. Khalil

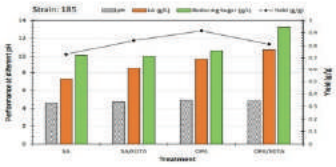
Source: Springer Proceedings in Business and Economics



Approximation of complex coefficient filters

NU Authors: Ahmed S. Elwakil

Source: AEU - International Journal of Electronics and Communications



Sustainable lactic acid production: Optimization yield from sugarcane and beet molasses through fermentation

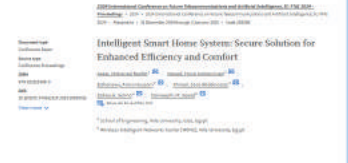
NU Authors: Mahmoud Aly, Mahmoud Shaaban, Tamer H.M.A. Kasem, R. Shalaby

Source: IET Conference Proceedings

Wide-Band Signal Generation Using Egyptian Fractions and Application to Instantaneous Impedance Measurements

NU Authors: Ahmed S. Elwakil

Source: IEEE Sensors Journal



Intelligent Smart Home System: Secure Solution for Enhanced Efficiency and Comfort

NU Authors: Mohaned Raafat Asker, Hana Mohammed Nassef, Amro Hussam Elshenawy, Sara Abdelnasser Ahmed, Salma Zakzouk, M. Saeed Darweesh

Source: 2024 International Conference on Future Telecommunications and Artificial Intelligence, IC-FTAI 2024 - Proceedings

Comparative Study of Heart Disease Classification Based on Traditional and Ensemble Models

NU Authors: Samah Mohamed, M. Saeed Darweesh

Source: 2024 International Conference on Future Telecommunications and Artificial Intelligence, IC-FTAI 2024 - Proceedings

Smart IoT-Based Shared Bike System

NU Authors: Sara Said Mahmoud, Habiba Walid Samy, Ibrahim Raafat Mostafa, Salma Zakzouk, M. Saeed Darweesh

Source: 2024 International Conference on Future Telecommunications and Artificial Intelligence, IC-FTAI 2024 - Proceedings

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LEVERAGING A DECISION SUPPORT SYSTEM IN THE AIRLINES SERVICE INDUSTRY

NU Authors: A. Sultan, Fatma Khedr, Ahmed H.Salem

Source: Proceedings of International Conference on Computers and Industrial Engineering, CIE

AN INTEGRATED ROADMAP FOR IMPLEMENTING CIRCULAR ECONOMY IN INDUSTRIAL SYSTEMS

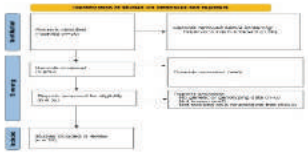
NU Authors: Fatma Khedr, Yara H. Elkassaby, Ahmed H.Salem

Source: Proceedings of International Conference on Computers and Industrial Engineering, CIE

Environmental Aspects, Recycling, and Sustainability of Polysaccharides

NU Authors: Irene Samy Fahim

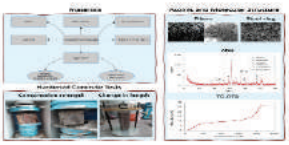
Source: Polysaccharides: Advanced Polymeric Materials



The Intersection of Genetics and Neuroimaging: A Systematic Review of Imaging Genetics in Neurological Disease for Personalized Treatment

NU Authors: Mai S. Mabrouk

Source: Journal of Molecular Neuroscience



Enhancing strength and sustainability of concrete with steel slag aggregate

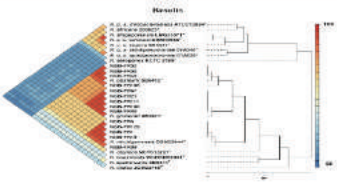
NU Authors: Nouran M. Tawfik

Source: Scientific Reports

Complex-order integration/differentiation of a linear function and its experimental verification

NU Authors: Ahmed S. Elwakil

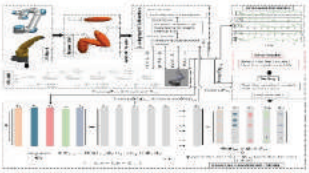
Source: International Journal of Electronics Letters



Nodules-associated Klebsiella oxytoca complex: genomic insights into plant growth promotion and health risk assessment

NU Authors: Sameh H. Youseif, Saher A. Ali

Source: BMC Microbiology



R-SIEL: a physics-informed learning algorithm for discovering dynamics of serial manipulators

NU Authors: Ahmed Asker

Source: Expert Systems with Applications

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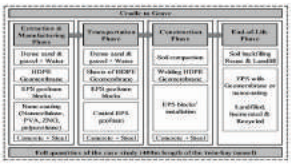
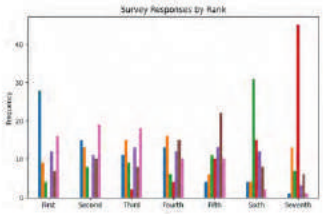
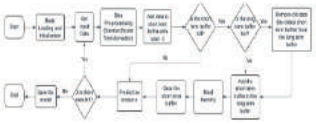


A comparative analysis of nanocoated expanded polystyrene for sustainable infrastructure applications
NU Authors: Moamen A. Shekib, Emad. S. Bakhoum, Mohamed M. Omran, Ahmed M. Ahmed, Irene Samy Fahim, Sherif S. AbdelSalam
Source: Scientific Reports



A UNLOCKING OPPORTUNITIES OF FOREIGN RESEARCH FUNDING IN DEVELOPING COUNTRIES: THE CASE STUDY OF EGYPT
NU Authors: Abeer Mahgoub, ElHassan Anas ElSabry
Source: Journal of Research Administration

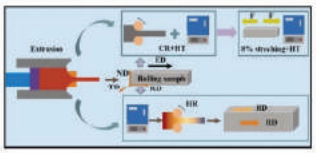


Predicting the availability of power line communication nodes using semi-supervised learning algorithms
NU Authors: Kareem Moussa, M. Saeed Darweesh, Ahmed Soltan
Source: Scientific Reports

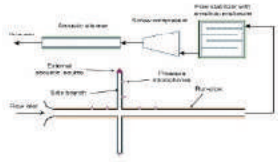
Integrating sustainability and least cost path analysis with a relative sustainability scoring index for optimal road planning
NU Authors: Emad. S. Bakhoum
Source: Scientific Reports

The unresolved struggle of 16S rRNA amplicon sequencing: a benchmarking analysis of clustering and denoising methods
NU Authors: Mohamed Fares, Engy K. Tharwat, Mohamed Elhadidi, Mohamed Mysara
Source: Environmental Microbiome

Unearthing the hidden path of MANET's nodes with signal strength measurements: Forensics challenges, survey and a novel approach for data collection, preservation and examination
NU Authors: Omar Ragheb, Mena Safwat, Marianne Amir Azer
Source: Forensic Science International: Digital Investigation



Effect of double-extrusion following by stepwise-hot-rolling on microstructures and mechanical properties of Mg-Gd-Y-Zn-Zr alloy
NU Authors: Mohamed A. Afifi
Source: Journal of Magnesium and Alloys



Acoustic resonance excitation and source mapping in co-axial piping systems with different junction edge geometries
NU Authors: Mahmoud Shaaban
Source: Journal of Sound and Vibration

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	Cross-Modal Embedding Generalized Framework for Audio-Text Alignment **NU Authors: Noha Gamal El Din Saad** Source: 34th International Conference on Computer Theory and Applications, ICCTA 2024
	Exploiting Machine Learning and Remote Sensing for Precision Crop Mapping in Africa **NU Authors: Omar Mohamed Ayman, Mosaab Emad Gamal, Mohamed Elsayed Atwa, Yassin Khaled, Noha Gamal El Din Saad** Source: 34th International Conference on Computer Theory and Applications, ICCTA 2024
	Comparative Analysis of Computer Vision Techniques for Traffic Signs Recognition in Autonomous Vehicles **NU Authors: Yaman Sahu, Mahmoud Wael, Bibek Gupta, Tasneem Tarek Abdelkareem, Mohamed A. Wahby Shalaby** Source: 33rd International Conference on Computer Theory and Applications, ICCTA 2023