

REGALIA X TANGIER WORKSHOP OVERVIEW

FEBRUARY **10TH – 14TH**

2025

ABOUT REGALIA X TANGIER MAPLE WORKSHOP

Our intensive training program offers you a chance to learn from industry experts and gain hands-on experience with cutting-edge tools like Maple, MapleSim, and machine learning integration for engineering and science applications. This program, valued at over ₦100,000, is now available at a special offer of ₦10,000! Yes, you read that right, an incredible 90% discount for a limited time only.

“Before I applied for the prestigious Erasmus Mundus Scholarship, I knew I had to stand out in a highly competitive pool of candidates. I was recommended for this specialized workshop in 2022 by my then Head of Department, Professor Chidi. I paid the then price of ₦50,000 and it was the best ₦50,000 I spent that year. The knowledge and certification I received from the workshop not only boosted my CV but also gave me the edge I needed to secure my spot.”

Bakel Bakel Begededum
DG/CEO REGALIA MARINE
ERASMUS MUNDUS SCHOLAR



Application Link: <https://www.regaliamarine.com/training/regalia-x-tangier-workshop>

A Personal Journey: Why This Workshop Matters More Than Ever

When my journey after graduation started, I knew that standing out in today's competitive world required more than just a first class degree. It required skills, practical knowledge, and a portfolio that reflected my ability to solve real-world problems. One of the most pivotal decisions I made during that time was investing in this same workshop, One that provided me with advanced training, certifications, and exposure to tools I never thought I could master as a fresh graduate. That experience became the turning point of my journey.

The skills I learned from this same workshop 2 years ago didn't just fill gaps in my knowledge; they elevated me to a position where I could confidently apply for various competitive job roles including Shell where I proceeded to the selection stage, scholarships like the Erasmus Mundus program, which I eventually chose over every other scholarship offers I got, and even freelance opportunities to make money as a graduate. I became a standout candidate because I had something others didn't. A rare combination of real-world experience, hands-on training, and a solid portfolio of projects that showcased my ability to tackle challenges across disciplines.

Global Expertise at Your Fingertips

This workshop mirrors that transformative experience. However, it's even more special because all resource persons are seasoned professors with global and foreign expertise. These are individuals who have worked on international projects, collaborated with world-class universities, and brought cutting-edge solutions to the forefront of their industries. Their unique experiences ensure that you're learning not just the "how," but the "why" behind every technique, tool, and method they teach.

Imagine being trained by experts who have published groundbreaking research, designed real-world applications, and mentored professionals who now lead global organizations. This isn't just a workshop—it's your gateway to learning from some of the best minds in the world.

Relevance in Job and Scholarship Applications

Let me emphasize why this workshop is so important for your career. Think about this: when applying for a job or scholarship, you're competing against thousands of applicants. So, how do you stand out? You stand out by proving that you're **not just another candidate with a degree**, but someone who has gone the extra mile to gain specialized knowledge and real-world skills.

A number of selection committee that interviewed me for several applications was impressed by the number of certifications (47 at the time) and skills I had acquired from workshops like this. They saw that I had already taken the initiative to learn tools like **Maple**, work on practical projects, and solve problems that extended far beyond the classroom. That experience gave me a huge advantage over other candidates, and I can confidently say that it played a major role in my success.

From Fresh Graduate to Freelancer: Your Ticket to Independence

This workshop isn't just for students who want to secure scholarships or get jobs—it's also for those who dream of starting their own careers as freelancers or consultants. One of the hardest parts of being a fresh graduate is feeling like you don't have enough experience to start earning. But with the tools and projects you'll gain from this workshop, you'll be able to **showcase your expertise to clients, solve real-world problems, and even earn money while pursuing your career goals.**

Think about how powerful it is to graduate with not just a certificate, but with skills in areas like:

- **Computational fluid dynamics:** perfect for engineering simulations.
- **Machine learning integration for differential equations:** a high-demand skill in data-driven industries.
- **AI and Machine Learning Applications using Maple**

These aren't just skills—they're opportunities waiting to be monetized.

More Than Learning: Building a Network for Life

Another aspect of this workshop that I must emphasize is the **networking opportunity** it offers. You won't just meet professors and experts—you'll meet peers who share your passion for innovation and growth. These connections often turn into collaborations, partnerships, or even friendships that last a lifetime.

I've personally experienced how important networking is, at the slightest opportunity I share ways to connect with [me](#). Some of the people I met during my training have gone on to recommend me for projects, offer advice, and even collaborate with me on exciting ventures. This is a benefit that no textbook can offer—**real people with real experiences helping you succeed.**

The small fee isn't just an investment in a workshop—it's an investment in your future.

I took this step, and it changed my life. Now, I'm inviting you to take the same step. The knowledge, skills, and networks you gain here will serve you for years to come, opening doors to opportunities you may not even have dreamed of yet.

Seats are limited, and opportunities like this don't come often. Secure your place today and start your journey toward transforming your career, just as I did.

MEET THE TEAM



BAKEL BAKEL BEGEDEDUM
DG/CEO
REGALIA GROUPS

Bakel Bakel, a distinguished scholar and engineer, was recognized as the Best Engineering Student at the Federal University of Petroleum Resources in 2023 and is an Erasmus Mundus awardee pursuing a double master's in Sustainable Ship and Shipping across Europe.

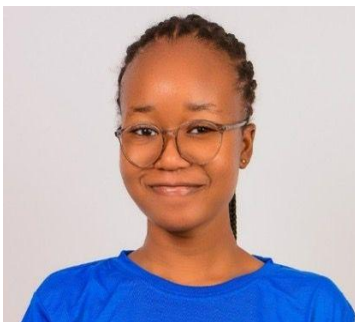
With certifications in robotics, automation, and extensive practical experience in maritime engineering, naval architecture, and marine robotics, Bakel focuses on advancing marine robotics and autonomous systems for maritime applications.



JEREMIAH OKORIE
DIRECTOR,
LEARNING AND STRATEGY
REGALIA GROUPS

Jeremiah Okorie is a highly accomplished and certified professional with expertise in data analytics and data science. He has demonstrated excellence in his academic and professional pursuits, making him a standout figure in his field.

Jeremiah graduated as the best graduating student in Marine Engineering, earning recognition as a valedictorian for his outstanding academic performance. He currently runs a successful academy, where he tutors 1st-year and 2nd-year engineering students, providing them with the foundational skills and insights needed to excel in their studies. Jeremiah aims to integrate his vast understanding of data and engineering in solving real engineering problems and in mentoring other young engineers to do the same.



PROSPERITY OGUAMA
SCHOLARSHIP CONSULTANT
REGALIA GROUPS

Prosperity Oguama is a passionate data scientist and biomedical engineer specializing in rehabilitation engineering. She is driven by a mission to develop AI-enabled assistive technologies that push the boundaries of innovation and create meaningful impacts on individuals at a personal level.

Currently based in Israel, Prosperity is a proud recipient of the prestigious Erasmus Mundus NeuroData program and is pursuing advanced studies at Bar-Ilan University, where she is furthering her expertise in the intersection of neuroscience, data science, and artificial intelligence.

REGALIA X TANGIER MAPLE WORKSHOP

In today's fast-paced world, staying ahead requires more than just knowledge; it demands expertise in innovative solutions. This program is designed to equip you with the skills to solve real-world challenges in fields like **engineering, robotics, HVAC systems, financial modeling, and artificial intelligence.**

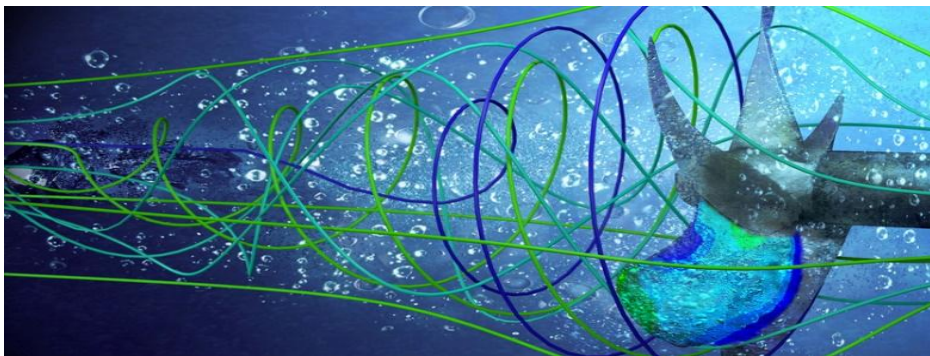
Who Should Attend?

This program is perfect for:

- Engineers
- Scientists
- Researchers
- Students pursuing advanced studies
- Professionals looking to upskill in computational methods

MAPLE Courses to be Taught

1. Advanced CFD: Using Maple for Precision Modelling and Analysis

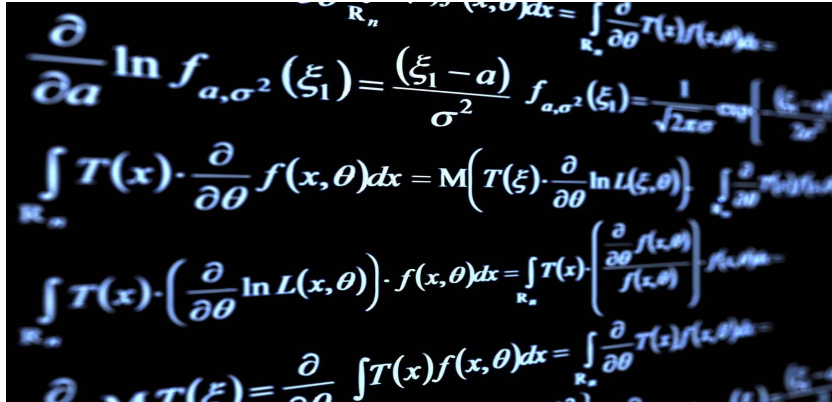


This course bridges the gap between symbolic mathematics and CFD. MAPLE's symbolic computation tools allow users to derive equations like the continuity and Navier-Stokes equations, find analytical solutions, and develop custom mathematical models for specific use cases, including unconventional or novel scenarios. It also enables the validation of numerical methods used in conventional CFD software by comparing approximate numerical results with symbolic or semi-analytical solutions.

2. Solving Ordinary & Partial Differential Equations with Machine Learning using Maple 2024

This course offers insight into the combination of MAPLE's in-built tools and workflow with ML models to solve conventional mathematical models that represent various systems. This provides engineers and scientists with the ability to achieve physically consistent and reliable solutions by combining mathematics, physics and machine learning.

2. Differential Equations



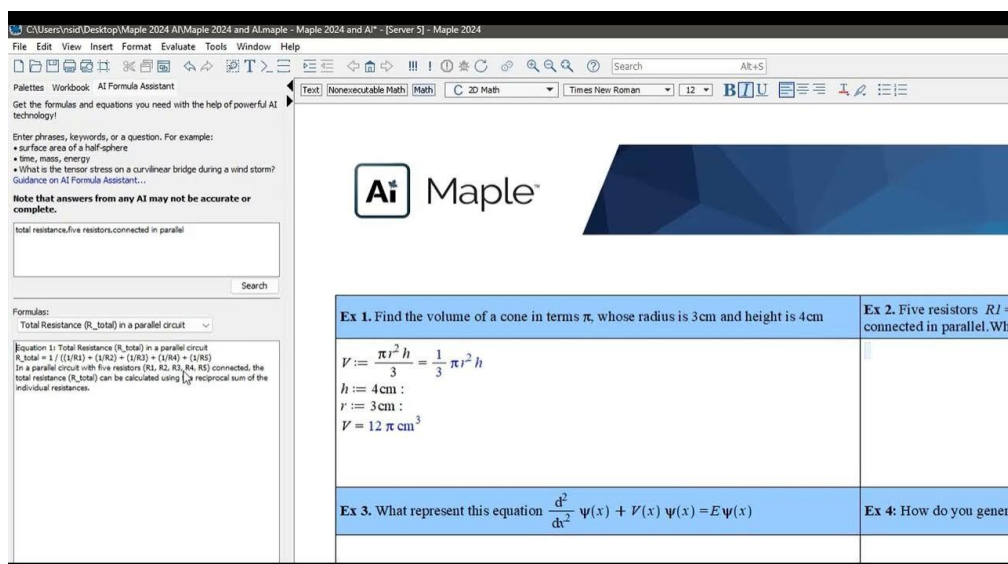
This course is aimed at equipping engineers and scientists with the tools to model, solve and optimize systems represented by PDEs and ODEs to their exact solution. It also involves creating custom equations for specific cases.

3. Overview of Maplesim Software



This course, as its name suggests, provides a comprehensive overview of Maple's capabilities and its wide range of applications. It covers how Maple can be used to derive and solve equations, analyze systems, and perform advanced computations with precision. The course also explores Maple's built-in functionalities and workflows, as well as its integration with other relevant tools and software, enhancing its versatility and applicability in various fields.

4. AI using Maple



Ex 1. Find the volume of a cone in terms π , whose radius is 3cm and height is 4cm	Ex 2. Five resistors R_1, R_2, R_3, R_4, R_5 connected in parallel. What is the total resistance?
$V := \frac{\pi r^2 h}{3} = \frac{1}{3} \pi r^2 h$ $h := 4 \text{ cm}$ $r := 3 \text{ cm}$ $V = 12 \pi \text{ cm}^3$	
Ex 3. What represent this equation $\frac{d^2}{dx^2} \psi(x) + V(x) \psi(x) = E \psi(x)$	Ex 4: How do you generate a plot of a function?

5. Temperature Control of HVAC in Building Design

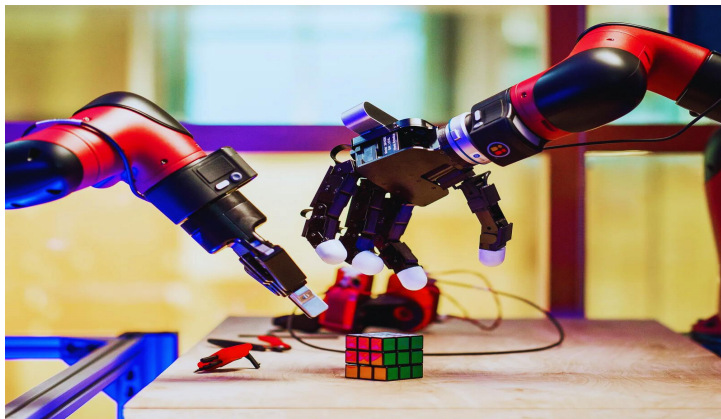
This course involves modelling the thermal dynamics of buildings accounting for heat transfer, internal heat sources and ventilation as well as their control systems. It will treat symbolic computation and manipulating parameters to achieve desired temperature control and customizing numerical models for specific conditions.

6. Maple as a Tool for solving financial problems: rate modelling, options pricing, market volatility and bond yields



This course bridges the technical expertise of engineers and scientists with financial modeling. By leveraging their strong mathematical backgrounds, participants will learn to solve advanced models that describe financial systems, assess risks, evaluate funding strategies, and analyze financial returns. This is particularly valuable for risk analysis and assessing the financial viability of engineering projects, especially in highly unpredictable and high-risk scenarios.

7. Robotics



This course involves applying MAPLE's symbolic computation capabilities to solve complex system of kinematics of robots and dynamics modelling. It will involve teaching on the tools to derive the equations of motion required for robotics. It also involves the design and analysis of controllers used in robotic systems.

8. Numerical Implementation of ODEs using MAPLE

This course covers the application of MAPLE's symbolic manipulation and numerical calculation capabilities to implement ODEs that represent systems and models that engineers and scientists encounter frequently using existing numerical methods like the Euler's method, Runge-Kutta methods, among others