

# Upcoming Trainings 2025



## August 28

RoHS Legislation, Methods of Analysis and Testing

## September 4-5

Scanning Electron Microscopy and Energy Dispersive Spectroscopy with Hands-On Operation

## September 10

Particle Size Analysis

## September 16

Water Sampling for Drinking Water and Wastewater

## September 18-19

Material Science and Engineering

## September 24-25

Microbiological Analysis in Water

## October 1

Basic Principles of Liquid Chromatography

## October 9-10

Elemental Analysis by EDX and XRF

## October 14

Atomic Absorption Spectrometry (AAS)

## October 23-24

Failure Analysis Techniques

## October 28

ICP-OES

## November 6-7

Atomic Force Microscopy with Hands-On Operation

## November 13-14

8D Problem Solving & Decision Making

## November 19

Restriction on Hazardous Substances (RoHS)

## November 26-27

Water Analysis Techniques

## December 3-4

Scanning Electron Microscopy and Energy Dispersive Spectroscopy with Hands-On Operation

*Schedule may be subject to change. Customer-site trainings are also available.  
CPD units offered. Get 20% off when you register early.*

# Our In-House Resource Speakers



## **ENGR. MARLON J. LLANA, TECHNICAL & OPERATIONS DIRECTOR, NASAT LABS**

Engr. Marlon Llana has a B.S. and a Masters' degree in Chemical Engineering from Mapua Institute of Technology and is a PhD Candidate for Material Science and Engineering. He has over 20 years of experience in the semiconductor industry in the field of Quality, R&D, Laboratory Operation, Electroplating, Failure Analysis, and Reliability having worked for Philips Semiconductors, SunPower Mfg. Ltd., International Rectifier, and DECA Technologies. He is a former faculty at Malayan College Laguna, Lyceum of the Philippines Laguna, and Colegio de San Juan de Letran having taught for more than 14 years. He is also a technical assessor of DTI-PAB for ISO/IEC17025 and is a member of the DTI Technical committee for nanotechnology.



## **BERNARDO M. REDONA, PhD**

Dr. Bernie Redoña is a certified Six Sigma Black Belt with over 30 years of extensive experience in the semiconductor industry, specializing in Process Engineering, Product Qualification, Statistical Process Control (SPC) Implementation, Quality and Reliability. He earned his doctoral degree in Management major in Human Resource Management from University of San Jose Recoletos - Cebu, and holds both a Master of Engineering and a Bachelor's degree in Electronics & Communication Engineering (ECE) from Mapua Institute of Technology. He is a Subject Matter Expert in Quality Tools and Statistical Techniques, including FMEA, 8D, DOE, Statistics, 7 QC Tools, SPC, and MSA. Dr. Redoña has held significant roles, including Quality and Reliability Director at STMicroelectronics Calamba, and has contributed to academia as a professor. His involvement extends to serving as Lead Assessor for the Philippine Quality Award, an Outstanding Mapuan Alumni in ECE, and more.



## **MARK ANTHONY C. ESMAEL, RCh, LABORATORY HEAD, NASAT LABS**

Mac is the Laboratory Head at NASAT Labs with over 15 years of experience in QA, QC, Laboratory Operation and R&D. He specializes in a wide range of advanced analytical techniques such as Atomic Absorption Spectroscopy (AAS), UV-Visible Spectroscopy (UV-Vis), Particle Size Analysis, and other methodologies integral to NASAT Water and Environmental Testing Laboratory. Mac holds a Bachelor's degree in Chemistry from Polytechnic University of the Philippines and has received several units for Master of Science in Chemistry at De La Salle University. He has also acquired in-depth and factory training of advanced instrumentation overseas.



## **ENGR. JOHN ALEC C. COSICO, FAILURE ANALYSIS SUPERVISOR, NASAT LABS**

John is a Materials Science Engineer with extensive knowledge and experience in Failure Analysis and Material Characterization. He has a Master's degree in Materials Science and Engineering and was a former DOST-ERDT scholar. John has more than 7 years of experience in the industry with expertise on Scanning Electron Microscopy, Elemental Analysis, Surface Analysis, and more. He has led several engineering responsibilities, from advanced failure analyses to root cause analyses. He is also an experienced instructor conducting trainings on various analytical techniques. A member of the DTI Technical Committee for Nanotechnology (TC85), he is also currently a PhD candidate for Materials Science.

## Featuring a pool of visiting lecturers from different industries

*In addition to our core training team, we bring in guest lecturers from various industries to share industry-specific insights and expertise.*