

# **Michelle D. Miranda**

**Associate Professor, Security Systems and Law Enforcement Technology at Farmingdale State College**

Farmingdale, NY, US

Dr. Michelle Miranda teaches Security Systems and Law Enforcement Technology. She has worked as a Criminalist with the NYC Police Dept.

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## **Biography**

Michelle D. Miranda holds a PhD in Criminal Justice, forensic science concentration, from the Graduate Center of the City University of New York; an MS in forensic science from John Jay College of Criminal Justice (CUNY); an MPhil in Criminal Justice from the Graduate Center of the City University of New York; and a BS in Biology from Manhattan College. Dr. Miranda is a diplomate with the American Board of Criminalistics and a member of the American Academy of Forensic Sciences. She worked as a Criminalist in the Trace Evidence Section of the New York City Police Department Crime Lab, and as both a Medical Photographer and a Death Investigator for regional Medical Examiner's Offices in New York State. In addition to her work at Farmingdale State College, she is an adjunct assistant professor at John Jay College of Criminal Justice.

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## **Availability**

Panelist, Workshop, Author Appearance

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## **Industry Expertise**

Education/Learning, Law Enforcement, Security, Chemicals

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## **Areas of Expertise**

Forensic Sciences, Tattoos and Tattoo Inks, Gunshot Residue and Shooting Reconstruction, Microscopy, Spectroscopic Techniques

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## **Affiliations**

American Academy of Forensic Sciences, American Board of Criminalistics, Academy of Criminal Justice Sciences

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## **Sample Talks**

### **Forensic Analysis of Tattoos and Tattoo Inks**

Discussion of the role of tattoos in forensic investigations and the analysis of tattoo inks in a forensic laboratory.

## **Gunshot Residue Analysis and Shooting Reconstruction**

Discussion of techniques utilized in the forensic laboratory and at the crime scene to evaluate gunshot residues and aid in reconstructing shooting events.

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## **Event Appearances**

### **Microscopy and Microanalysis of Tattoo Inks**

Inter/Micro 2015, McCrone Research Institute

### **Microscopy of Tattoo Inks**

Eastern Analytical Symposium, The Art and Science of Analysis

### **Current Challenges: Information Communication Technologies for Human Rights Documentation**

Build Peace Conference

### **Distance Determinations and Chemical Instrumentation for GSR Analysis Testing-Methods and Interpretation**

New Jersey Association of Forensic Scientists, Michelle D. Miranda, Ph.D., Curriculum Vitae 4 A  
Shot in the Dark-Bridging the Gap between Violence and Detection

### **Microanalysis of Tattoo Inks**

Eastern Analytical Symposium, Celebrating Innovation in Analysis

### **A Study in Soxhlet**

Believe it or Not! Session, American Academy of Forensic Sciences

### **Detection, Investigation and Forensic Science in Comic Books**

Believe it or Not! Session, American Academy of Forensic Sciences

### **The Forensic Analysis of Temporary Tattoos**

Poster, American Academy of Forensic Sciences

### **Criminalists at the Crime Scene: Where Do They Come from and Where Can They Go?**

Panel, American Academy of Forensic Sciences

### **?The Evidence is on the Sheets?: The Microscopy and Microanalysis of Vaginal Glitter Capsules**

Invited Speaker, Eastern Analytical Symposium

### **Detection, Investigation, and Forensic Science in the DC Universe**

Poster, Comic Arts Conference, Comic-Con International

### **Tattoos in Forensic Investigations**

Office of Chief Medical Examiner of New York City (OCME NYC) Grand Rounds Lecture Series

**Redefining Crime Scene Investigation**  
American Academy of Forensic Sciences

**The Microscopy and Microanalysis of Dyed Beaver Hair**  
Eastern Analytical Symposium

**Criminalistics: A Tale of Two Futures**  
American Academy of Forensic Sciences

**Reid it or Not: A Case Study in the Perception of Deception Detection Techniques in Public and Private Sectors**  
Long Island Association of Certified Fraud Examiners

**Margot, P., Miranda, M., Crispino, F., Lucas, D., Roux, C., De Forest, P., Willis, S. Criminalistics Panel: The Questions of Forensic Science: Quintilianus Revisited**  
International Association of Forensic Sciences 21st Triennial Meeting

**The Chemical Methods of Gunshot Residue Analysis**  
American Chemical Society-Mid-Atlantic Regional Meeting 2016

**Forensic Science and the Amazing Multicolor Fur Coat: Microscopy and Microanalysis of Dyed Beaver Furs**  
Inter/Micro 2016, McCrone Research Institute

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## **Education**

**Manhattan College**  
BS Biology

**City University of New York - John Jay College of Criminal Justice**  
MS Forensic Science

**City University of New York - Graduate Center**  
MPhil Criminal Justice

**City University of New York - Graduate Center**  
PhD Criminal Justice

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