Chair Message:
Another Chapter year has concluded and spring is upon us. It has been my pleasure to serve two consecutive terms as Chairman of the Metro NY/NJ ASM Chapter.

We have an exciting presentation on Forensic Science for this Month’s Friends and Family night on April 30. In keeping with tradition, we will elect next Chapter Year’s officers for 2019-2020 during this time.

In May, we will tour Richmond Industries in Dayton, NJ, a non-ferrous foundry.

Chairman: CHRIS RASMUSSEN
Stryker

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http://www.asminternational.org/web/metro-nynj-chapter/home

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April 2019
ASM International Metro NY NJ Chapter
April Presentation: Forensic Science and Investigation

Speaker: Dr. David Fisher, MSFS, F-ABC, FAAFS
Professor of Practice and Forensic Science Program Director
Department of Chemistry and Environmental Science, New Jersey Institute of Technology

When a tool comes into contact with a soft surface, it imparts a negative imprint onto the softer surface. The resulting imprint can depict any or all of the tool’s physical characteristics: wear patterns, damage patterns, and microscopic striations. Mikrosil™ is a specially formulated casting material that is used to record the fine details on a variety of different types of evidence. It works on shiny, reflective surfaces, such as doorknobs, aluminum objects, and marks on translucent materials such as plastic and fracture patterns. It can also be used for the examination of firing pin impressions, breech face marks, and marks on cartridge casings in firearms cases. In addition, it can lift powder developed fingerprints from curved surfaces, such as lightbulbs, and has also been used in recovering friction ridge detail from deceased individuals. The properties of this compound are very beneficial in evidence with shallow marks and small detail and can reproduce the most subtle tool marks and impressions.

This presentation will show how Mikrosil is used to cast a toolmark impression, the importance of impression evidence in forensic science, and how the comparison of a known tool to the questioned toolmarks can determine toolmark origin.
Speaker’s Bio

David Fisher is Professor of Practice and Director of the Forensic Science Program at New Jersey Institute of Technology (NJIT). Before joining NJIT in January of this year, he was a Criminalist supervisor in the Department of Forensic Biology at the New York City Office of Chief Medical Examiner (NYC OCME). As a forensic scientist with over 17 years of experience in forensic biology and DNA typing, he has worked on hundreds of criminal cases, including homicides, sexual assaults, and property crime investigations and has been court qualified as an expert witness over 40 times. In his last position at OCME, he was assigned to the Research and Development group in his agency, where he supervised a team of criminalists and research scientists that evaluated and validated new methodologies and technologies in DNA testing that were brought on-line for casework. David is certified as a Fellow in General Criminalistics by the American Board of Criminalistics and is a Fellow of the American Academy of Forensic Sciences. David earned his M.S. degree in Forensic Science from John Jay College of Criminal Justice of the City University of New York, and holds a bachelors of science degree in biochemistry and cell biology from the University of California San Diego. He is also co-author of the 8th edition of Techniques of Crime Scene Investigation, a required text for the International Association for Identification (IAI) Crime Scene Analyst certification exam.

813rd Technical Meeting:  
April 30th 2019, Tuesday

<table>
<thead>
<tr>
<th>Program:</th>
<th>Cost:</th>
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</thead>
<tbody>
<tr>
<td>6:15 pm Networking</td>
<td>Members: $35</td>
</tr>
<tr>
<td>7:00 pm Dinner</td>
<td>Guest: $40</td>
</tr>
<tr>
<td>8:00 pm Presentation</td>
<td>Students: $15</td>
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</tbody>
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Location:  
343 Bergen Blvd,  
Palisades Park, NJ 07650
Photos from February meeting, Bridgewater, NJ

Photo courtesy of Dr. Richard F. Lynch
ASM Metro NY-NJ Chapter 2018-2019 EXECUTIVE COMMITTEE

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