



***Emerging Technologies in Materials and Coatings:
Technologies, Applications, and Markets
(MFM-6696-V)***

Emerging Technology coatings include high performance, multifunctional materials and sustainable coating products which are the most recent global trends in coating technology. The most sought-after materials are coatings that: function at lower film thickness; cure at lower temperatures; do not require primer or intermediate coating/recoating; are VOC-free; and use sustainable materials and processes. Multifunctional coatings such as self-stratifying, self-healing, corrosion sensing, superhydrophobic, easy clean, etc., not only provide the same functionality as ordinary coatings, but due to their unique attributes are environmentally friendly, high performance, and cost-effective.

Multifunctional raw materials (additives/pigments and polymers), as well as multifunctional coatings such as corrosion sensing, biologically active, and shape-memory materials find applications in medical and personal care, architectural, automotive, aerospace, electronics, and many other industries.

This course will discuss and focus on disruptive and novel approaches for creating innovative materials, and blueprints for developing technologies for multifunctional materials and coatings.

WHO SHOULD ATTEND?

This interactive training is highly recommended for material/coating product designers, disruptive/novel technology development officers, development managers, researchers, formulators, and scientists at all levels in industry and academia. It is specifically recommended for individuals and organizations that are seeking to broaden their skills and product portfolios.

WHAT YOU WILL LEARN:

- The latest global materials and coatings trends.
- The science and technology behind smart and multi-functional materials.
- Disruptive approaches and technologies.
- The future of multifunctional materials – outlook and opportunities.

Virtual Course Details

- The virtual course will be presented through live Microsoft Teams sessions. Participants may attend from either home or office, and will require a computer with a microphone and webcam.
- Participants must attend 100% of all sessions to receive an electronic certificate of completion.
- Scheduled course times are Eastern Standard Time (EST).
- Private questions/consulting sessions maybe scheduled by attendees during the designated hours.
- **All training materials (slides) will be available for download.**