

世界的なガラス研究の権威  
来日講演!!

# Career and research talk: Global glass research authority with industrial and academic career

2019.10.18 (Fri) 14:00-16:20

Frontier Research in Applied Science Building : Lecture Hall

## Dr. John C. Mauro

Professor of Materials Science and Engineering  
The Pennsylvania State University

ペンシルバニア州立大学の材料科学工学部の教授。

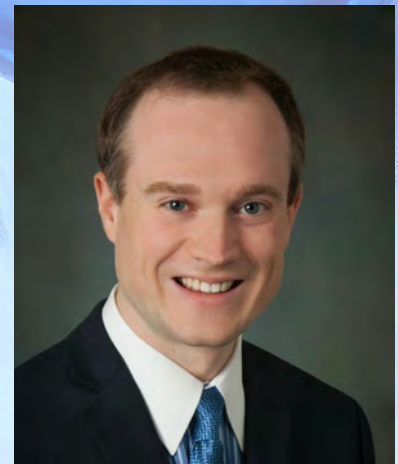
ガラス工学科学の修士号、コンピュータサイエンスの修士号、ガラス科学の博士号を取得。

1999年にコーニング社に入社、CorningGorilla®Glass製品など、新しいガラスを開発。

2017年にペンシルバニア州立大学の教員に。

ダイバーシティを強く支持している者として知られています。

また数多くの出版物の編集者・著者でもあります。



### 14:00-15:00 "My Life as an Industrial Glass Researcher"

In this presentation, I will provide perspectives on industrial vs. academic research and offer advice to students and other young scientists on how to achieve a successful career, while also maintaining a good work-life balance. The advice will include the "Top Ten Things I Wish I Knew" at the beginning of my career. The presentation will be interactive, and questions and discussion with the audience are highly encouraged.

### 15:20-16:20 "Relaxation is Everywhere"

As a nonequilibrium material, a glass is continually relaxing towards its metastable supercooled liquid state. A comprehensive understanding of glass relaxation is of critical importance for many high-tech applications of glass, including optical fiber, glass substrates for liquid crystal displays, and chemically strengthened cover glass for electronic devices. In this presentation, I will review the current state-of-the-art in understanding the dynamics of glass relaxation, including the physical origins of its non-Arrhenius and non-exponential characters.

本講演は、大学院総合化学院『化学研究先端講義  
(修士課程選択科目)／総合化学特別研究第二  
(博士後期課程選択科目)』の一部として認定されています。  
This seminar is approved of the "Topical Lectures in Chemical Sciences and Engineering"  
(for MC students) and the "Research in Chemical Sciences and Engineering II"  
(for DC students) under the Graduate School of Chemical Sciences and Engineering.

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