

情報科学と材料科学の融合領域の開拓により、
分野横断的DX人材の創出、産学連携「モノづくり」の革新を目指す

2nd Materials DX Seminar

Machine Learning for Materials Science: Basic and Applications

2022.12.19 (Mon)
10:00~17:30

Instructor:
Prof. Wu Raymond
Institutes of Innovation for
Future Society, Nagoya University



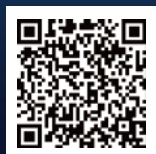
Places Nagoya University Green
Mobility Collaborative Research
Center / room101 and remote

Participation Fee
50,000 yen for general participants (tax included)
(We will inform you separately about how to pay the
participation fee after application)
※Free for students and oncampus participants

Apply apply at the following URL
(JPN) <https://forms.gle/jhccNkhshVtJCm5z6>
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Apply using the QR
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Application Deadline **2022.12.12**

Inquiries: Materials DX Seminar secretariat
(CAMPUS CREATE Co., Ltd.)
email: mdx-nu@campuscreate.com

sponsorship: Institute of Materials Innovation and Open Innovation Promotion Office,
Institute of Innovation for Future Society, Nagoya University

About this seminar

AI/machine learning has become a significant field in science and industry, supporting quantitative analysis in any discipline. In this seminar, basic Python programming, algorithm of classification and regression, and how to build, evaluate, and tune the model are explained. You will also experience practical training program in this seminar.

(The lecture will be given in English)

Program

- Linear/Nonlinear Classification and Regression and Bias/Variance
- Markov, Bayes, Gaussian Python functions and model evaluation
- XG-Boost, Random Forest and SVM methods and their optimizations
- Applications and Innovation strategy

Eligibility for Participation

Anyone who wants to learn machine learning and quantitative analysis is welcome.