

AUSSEN
WIRTSCHAFT
STANFORD MASTER'S COURSE
THE FUTURE OF RENEWABLE ELECTRICITY
PRODUCTION AND STORAGE

Dienstag, 07. – Donnerstag, 09. September 2021

gefördert im Rahmen von



einer gemeinsamen Initiative des Bundesministeriums für Digitalisierung
und Wirtschaftsstandort und der Wirtschaftskammer Österreich.



STANFORD MASTER'S COURSE

THE FUTURE OF RENEWABLE ELECTRICITY PRODUCTION AND STORAGE

Dienstag, 07. – Donnerstag, 09. September 2021

PROGRAMM

Ort: online | übertragen aus Palo Alto, USA

DIENSTAG, 7. SEPTEMBER 2021 | ADVANCES IN MATERIALS DEVELOPMENT

17:00 – 17:20	OVERVIEW OF CURRENT STATE OF ENERGY PRODUCTION AND STORAGE Professor Fritz Prinz, Finmeccanica Professor in the School of Engineering, Design Group, Mechanical and Materials Science Engineering, Stanford
17:20 – 18:45	REMOVING CONSTRAINTS – OPENING THE DESIGN SPACE – VIA ADDITIVE MANUFACTURING Jan Torgersen, Associate Professor of Mechanical Engineering at the Norwegian University of Science and Technology (NTNU) and Visiting Professor of Mechanical Engineering at Stanford University
18:45 – 19:00	BREAK
19:00 – 20:30	SYNTHESIS AND CHARACTERIZATION OF NOVEL NANOMATERIAL CATALYSTS FOR CLEAN ELECTROCHEMICAL ENERGY TECHNOLOGIES Drew Higgins, McMaster University in the Department of Chemical Engineering John Xu , Ph.D., Mechanical Engineering at Stanford University

MITTWOCH, 8. SEPTEMBER 2021 | ADVANCES IN ENERGY STORAGE

17:00 – 18:30	ELECTRICITY CONVERSION TO FUELS AND CHEMICALS Tom Jaramillo, Associate Professor of Chemical Engineering, of Photon Science and Senior Fellow at the Precourt Institute for Energy
18:30 – 19:00	BREAK
19:00 – 20:30	APPLICATIONS IN STATIONARY STORAGE AND ELECTRIC VEHICLES Rajit Gadh, Professor at the Henry Samueli School of Engineering and Applied Science at UCLA

MITTWOCH, 9. SEPTEMBER 2021 | ADVANCES IN SOLAR CELL TECHNOLOGIES

17:00 – 18:30

OPTOELECTRONIC MATERIALS

Ted Sargent, University Professor in the Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto

18:30 – 19:00

BREAK

19:00 – 20:00

TRIPLE JUNCTION SOLAR CELLS

James Harris, James and Elenor Chesebrough Professor in the School of Engineering, Emeritus
