

SUNWAY
UNIVERSITY



Jeffrey Cheah Distinguished Speakers Series

Contributing Towards Lifelong Learning and Intellectual Empowerment for the Community

Featuring World-Class Speaker From



Stanford
University

Professor Emeritus John Chowning

Osgood Hooker Professor of Fine Arts and Professor of Music



Composing Music From The Inside-Out And A Bit Of History Along The Way

27 APRIL 2017 (Thursday) 5:30PM - 7:00PM

AUDITORIUM JC 2, LEVEL 1, SUNWAY UNIVERSITY

Professor John Chowning is a pioneer in the field of electronic music who discovered the frequency modulation synthesis (FM) algorithm in 1967. He was dubbed the father of digital synthesizer, inventor and composer, forever altering the face of modern music.

In this lecture, Professor Chowning will demonstrate how the capacity of computer systems 50 years ago limited composers and researchers to only one sound generating or processing tools: synthesis. He will discuss how one learnt about the perception of sound as one wrapped their aural skills around the technology and discovered how to create music from fundamental units. He will also demonstrate how his earliest work in spatialisation led to the discovery of FM synthesis in 1967 and how he then used FM synthesis in the music he composed.

Professor Chowning was the founding director in 1975 of the Center for Computer Research in Music and Acoustics at Stanford University, which remains as one of the leading centers for computer music and related research.

Professor Chowning was elected to the American Academy of Arts and Sciences in 1988; awarded the Honorary Doctor of Music by Wittenberg University in 1990; The French Ministre de la Culture awarded him the Diplôme d'Officier dans l'Ordre des Arts et Lettres in 1995; and awarded the Doctorat Honoris Causa in 2002 by the Université de la Méditerranée, and in 2010 by Queen's University, Belfast.

All Are Invited | **FREE ADMISSION** | For registration, please visit: <https://university.sunway.edu.my/jcdss>

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