# 電気工学特別講義 2019年

# 6月11/18/25日

# イントロダクション

OU EE ES Lecture Series 2018

# June 11/18/25

# Lecture introduction

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11-JUN-2018

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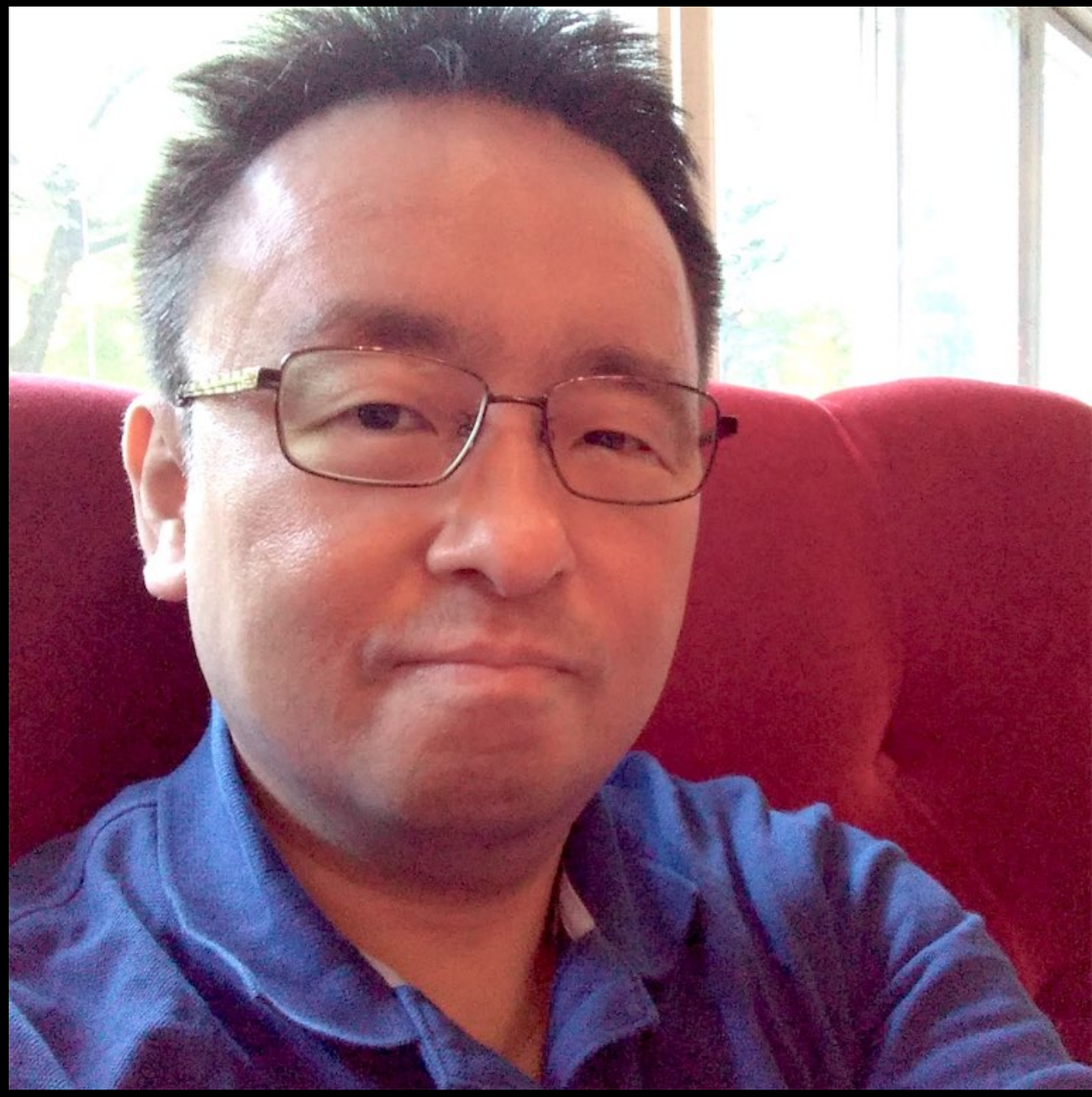
@jj1bdx



Do you remember the quake?

18-JUN-2018 0758JST

... and many other quakes?

# Safety first
# Stay alive
# Don't be a slave

# Who I am

# 自己紹介

# Professional Internet Engineer

技術士（情報工学部門）
力武健次技術士事務所 所長
情報処理安全確保支援士

Guest Researcher

Pepabo R&D Institute

GMO Pepabo, Inc.

GMOペパボ株式会社

ペパボ研究所 客員研究員

ペパボ研究所

Pepabo R&D Institute, GMO Pepabo, Inc.

# My career

Erlang, Elixir, C, FreeBSD, Linux, TCP/IP, PHP, mruby, Lua, C++, C#, Visual Studio, Moodle, macOS, Windows, Vim, Emacs, Arduino, AVR, radio, music, distributed systems, fault tolerance, whatever.

29 years in Computer Science, 14 years since PhD, 43 years of ham radio op as @jj1bdx, 2010-2012: Professor, ACCMS/IIMC, Kyoto University, whatever.

Past records are meaningless unless *you work on what you really want to do now.*

Ignore past achievements

# Focus on *now*

# Lecture theme

# Information delivery on internet

In other words:

# How internet works

# 容錯設計

# Fault-tolerant design

# Modern life is full of failures

# How internet works under failures?

# Technology 1:

# Packet switching

# Technology 2:

# Flexible packet routing

# Technology 3: Centralization and decentralization

Summary:

# Divide data into packets
# Route flexibly and wisely
# Decentralize and distribute

# OK let's get down to business!