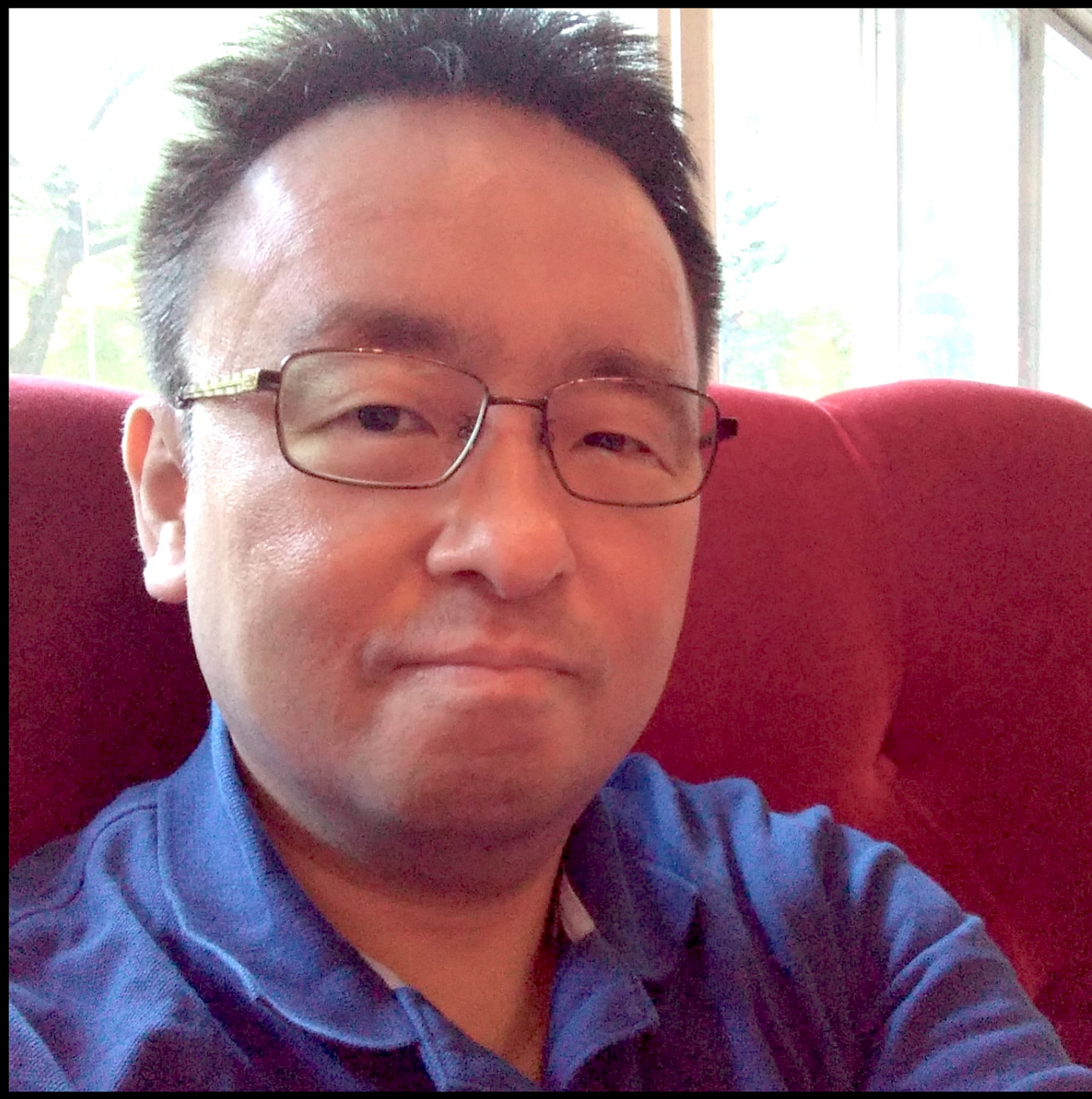
電気工学特別講義 2018年 6月26日、7月3日、7月17日

イントロダクション

OU EE ES Lecture Series 2018
June 26 / July 3 / July 17
Lecture introduction

Kenji Rikitake
りきたけ けんじ
力武 健次

26-JUN-2018
School of Engineering Science
Osaka University
Toyonaka, Osaka, Japan
@jj1bdx



QUAKE

18-JUN-2018 0758JST

Direct hit!

Were you safe?

I hope you were!

Safety first

Stay alive

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

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

My career

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

28 years in Computer Science, 13 years since PhD, 42 years of ham radio op as @jj1bdx, 2010-2012: Professor, ACCMS/IIMC, Kyoto University, whatever.

... Those past records are completely meaningless unless *you are working on what you really want to do right 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:

Put in packets

Route flexibly

Decentralize

OK let's get down to business!