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WASEDA University
早稲田大学

Graduate School of Information, Production and Systems

— Introduction —
of
Waseda University

UNIVERSITY HISTORY TIMELINE

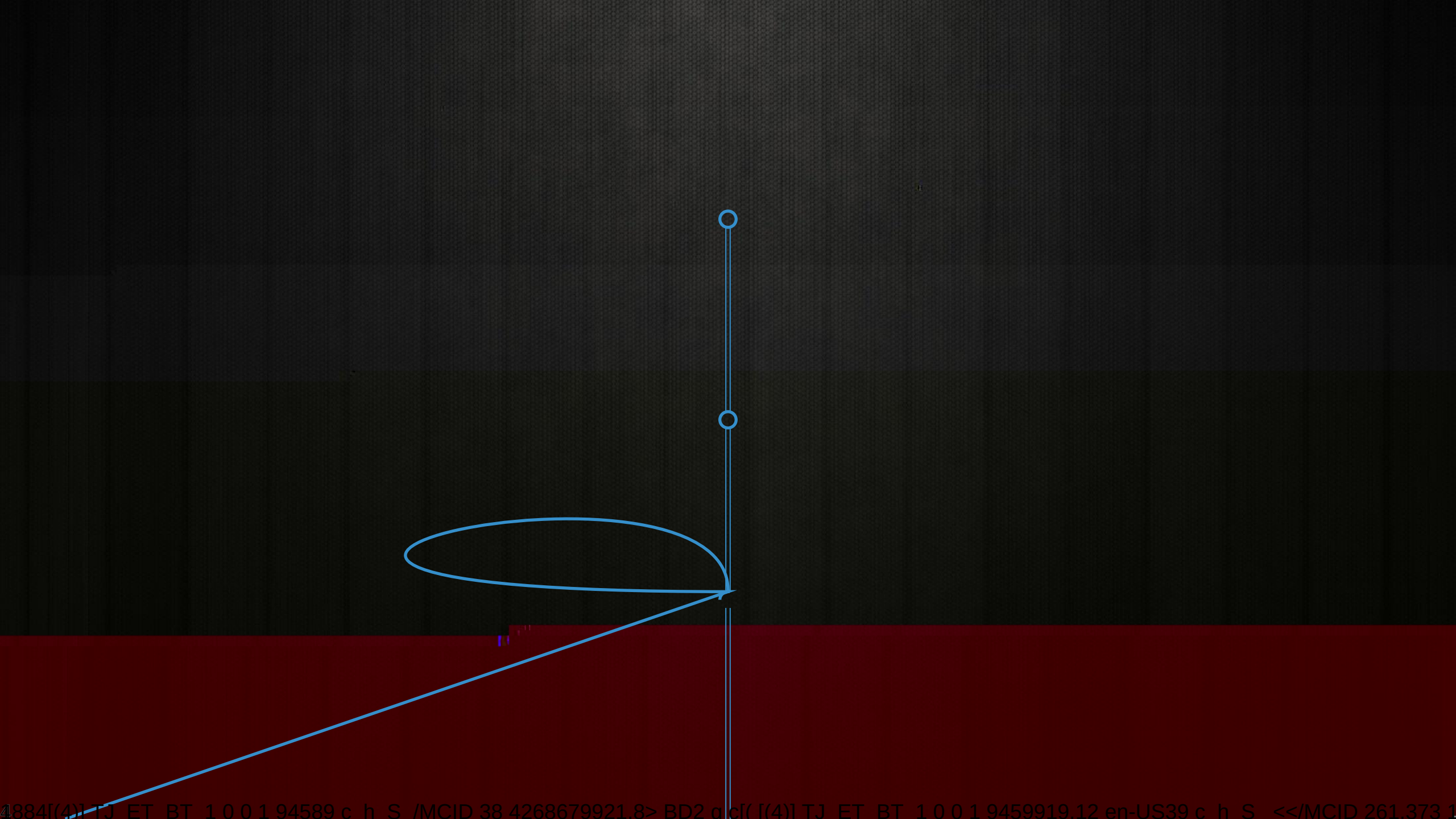
Brief Introduction

1882

Established in Tokyo
By Shigenobu Okuma

Shigenobu Okuma

Tokyo Senmon Gakko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Faculty of Political Science and Economics
- School of Political Science and Economics
- Graduate School of Political Science
- Graduate School of Economics
- Institute for Research in Contemporary Political and Economic Affairs

Faculty of Law
- School of Law
- Graduate School of Law
- Institute of Comparative Law
- Center for Professional Legal Education and Research

Letters, Arts and Sciences
- School of Culture Media and Society
- School of Humanities and Social Science
- Graduate School of Letters, Arts and Sciences

Faculty of Education and Integrated Arts and Sciences
- School of Education
- Graduate School of Education
- Graduate School of Teacher Education
- Institute for Advanced Studies in Education

Faculty of Commerce
- School of Commerce
- Graduate School of Commerce
- Research Institute of the Faculty of Commerce
- Graduate School of Finance
- Graduate School of Accountancy

Faculty of Social Sciences
- School of Social Sciences
- Graduate School of Social Sciences

Faculty of Science and Engineering
- School of Fundamental Science and Engineering
- School of Creative Science and Engineering

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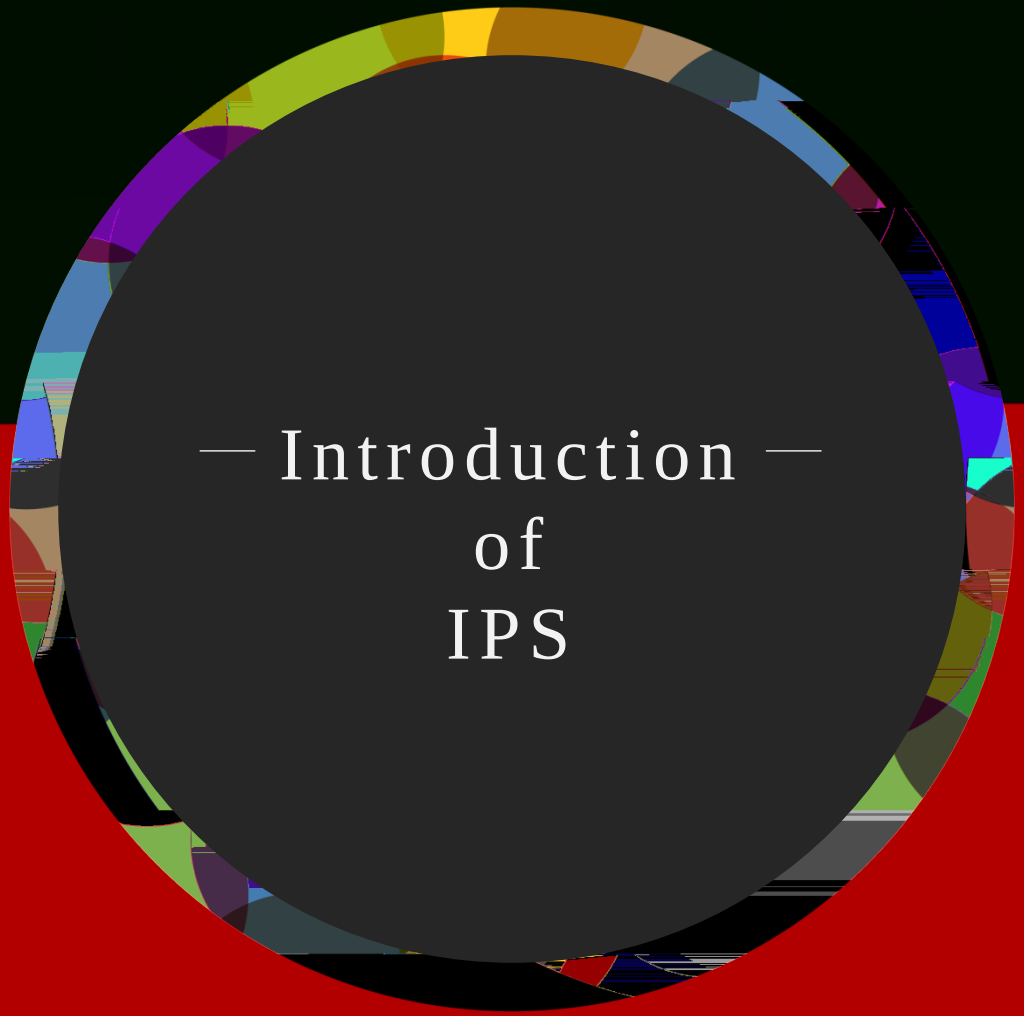
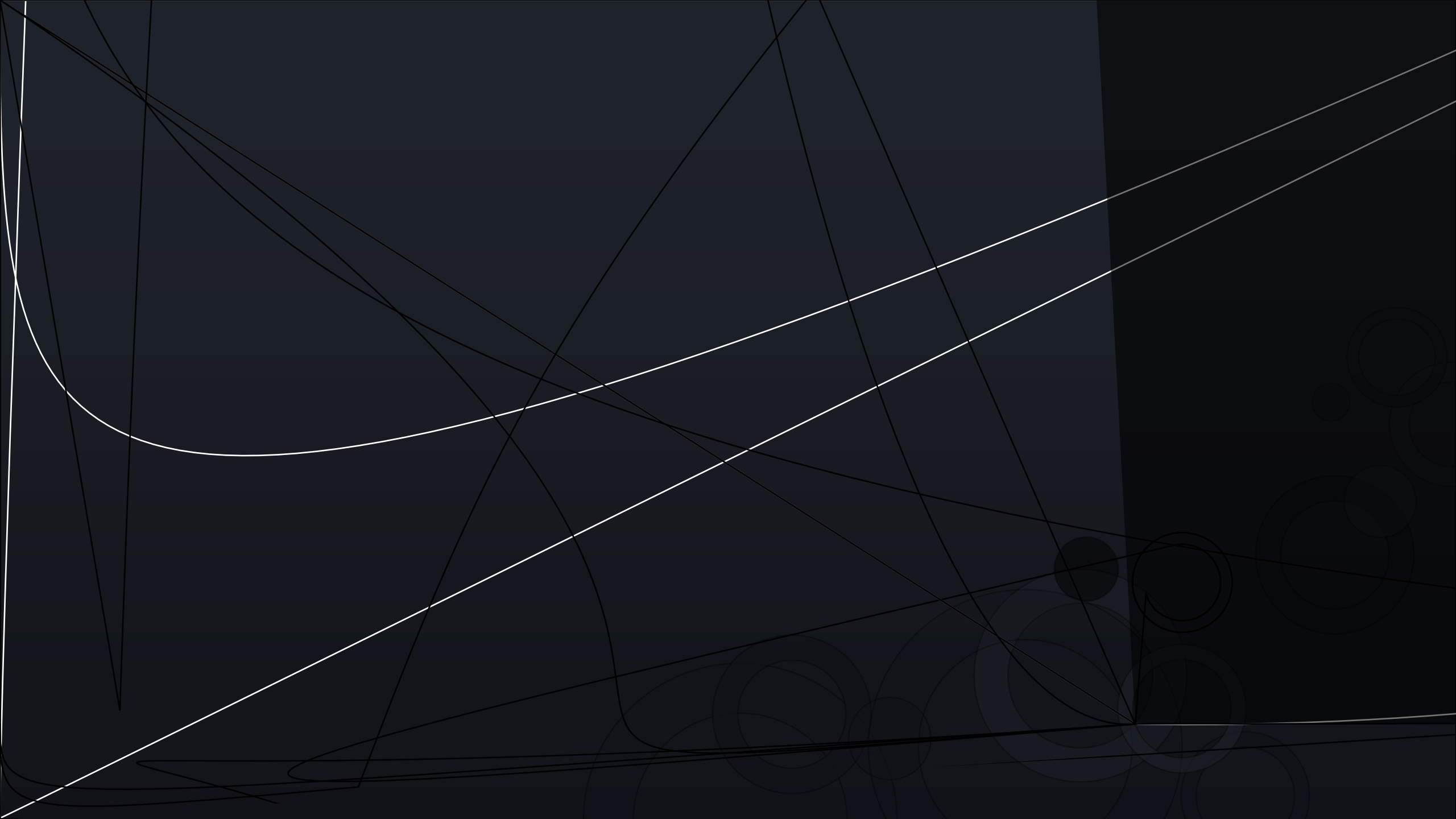


Introduction of IPS



STUDY OPTIONS IN IPS

MASTER
PROGRAM

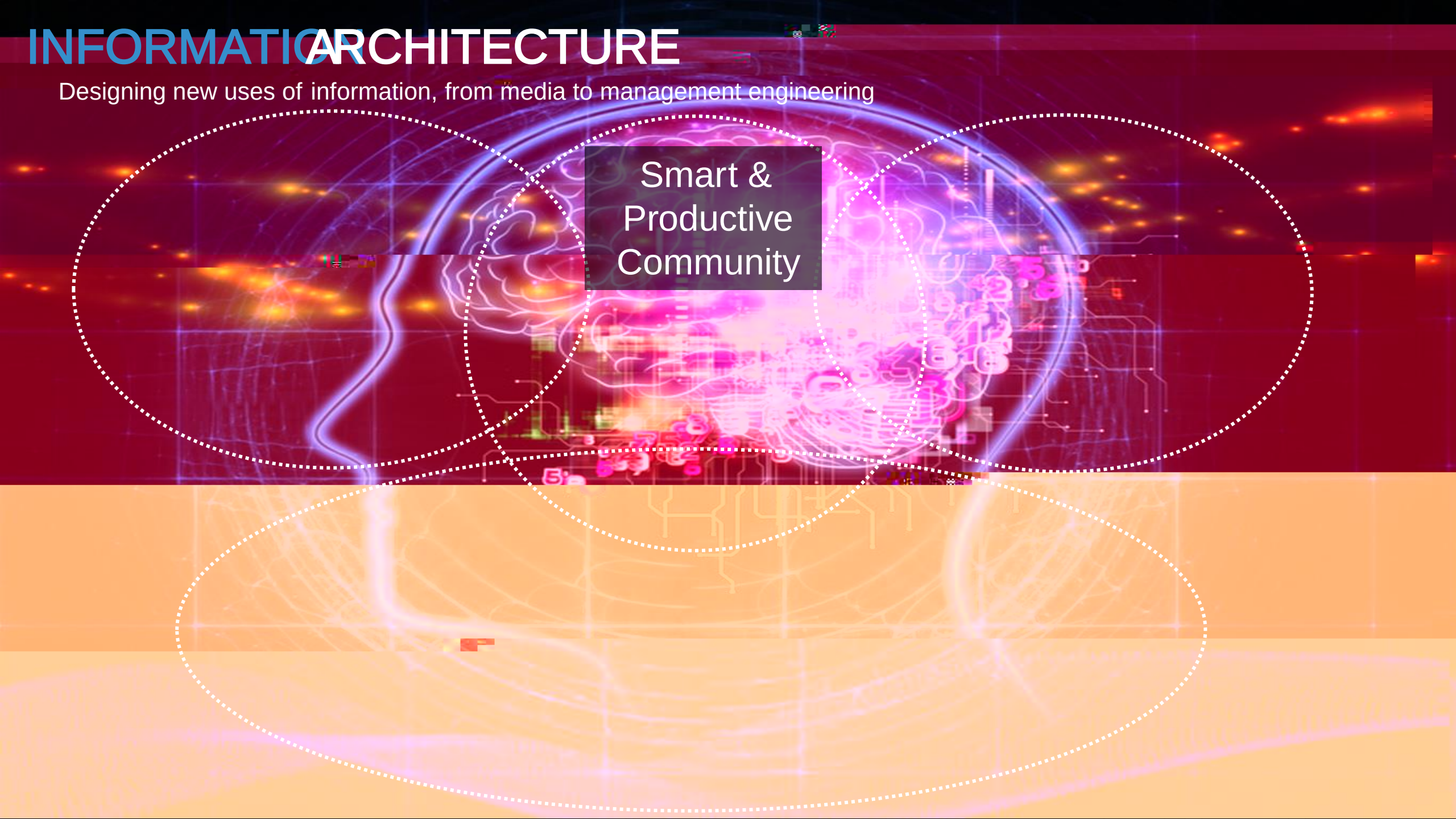
Spend 2 (two) years to obtain master degree of Waseda University

DOCTOR
PROGRAM

Spend 3 (three) years to obtain doctor degree of Waseda University

INFORMATION ARCHITECTURE

Designing new uses of information, from media to management engineering



Information Architecture

Prof . Fujimura
Smart Industry

Prof. Furuzuki
Neurocomputing Systems

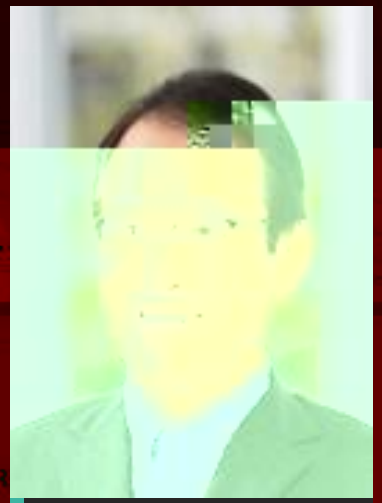
Prof . Iwaihara
Data Engineering

Prof . Kamata
Image Media

Prof . Koyanagi
Thinking Networks

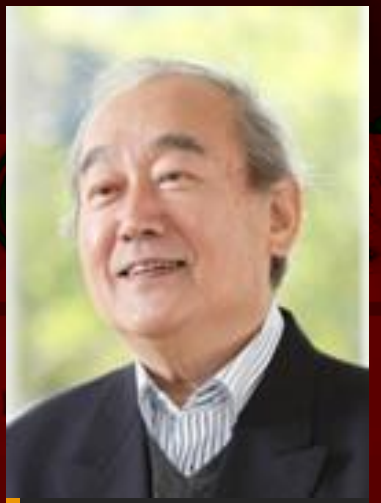
Prof . Lepage
Example-based
machine translation / NLP

Prof . Matsumaru
Bio-Robotics &
Human-Mechatronics



Prof . Tsubokawa
Fiber-optic systems

Prof . Yoshie
Community Computing

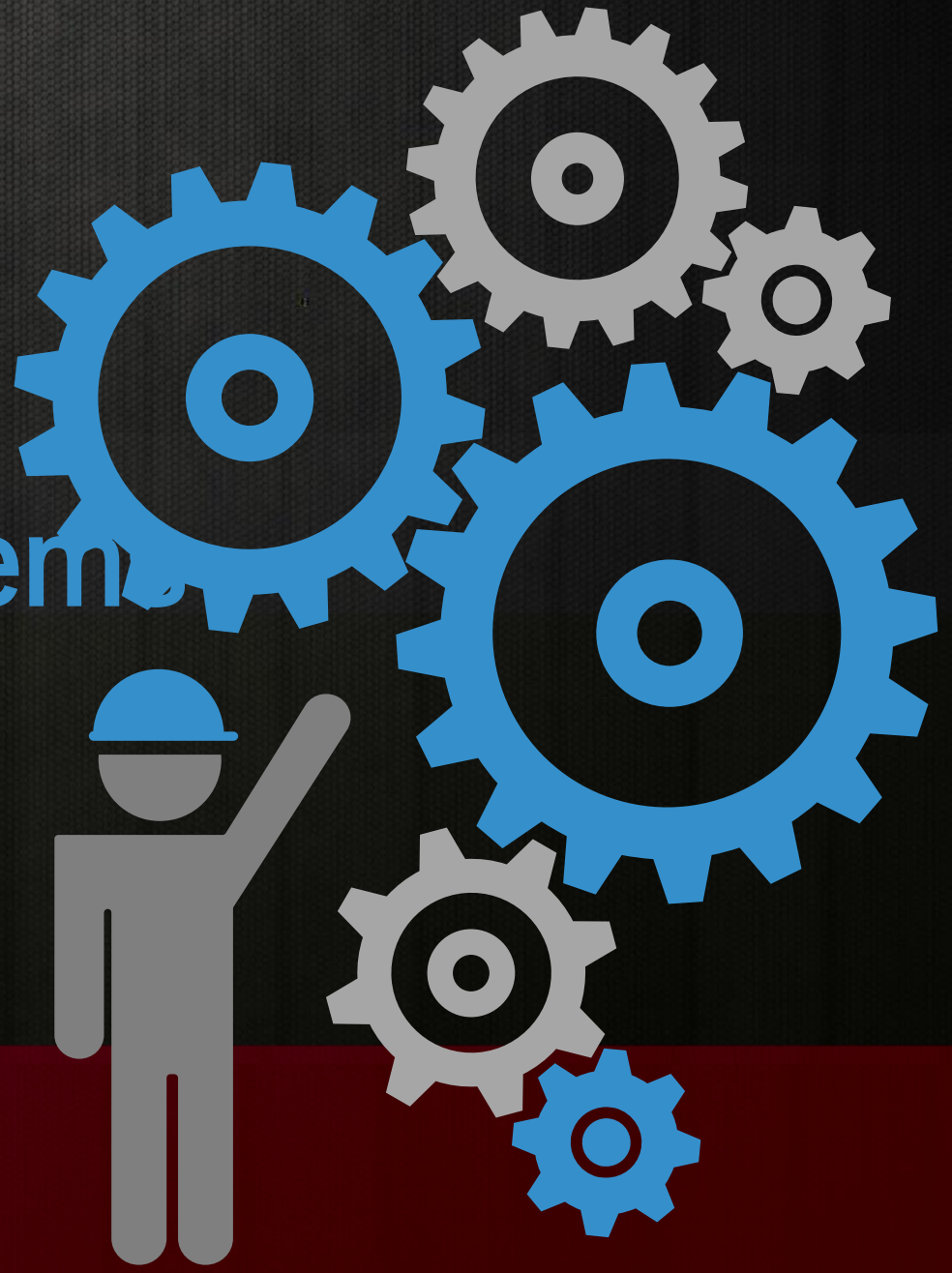


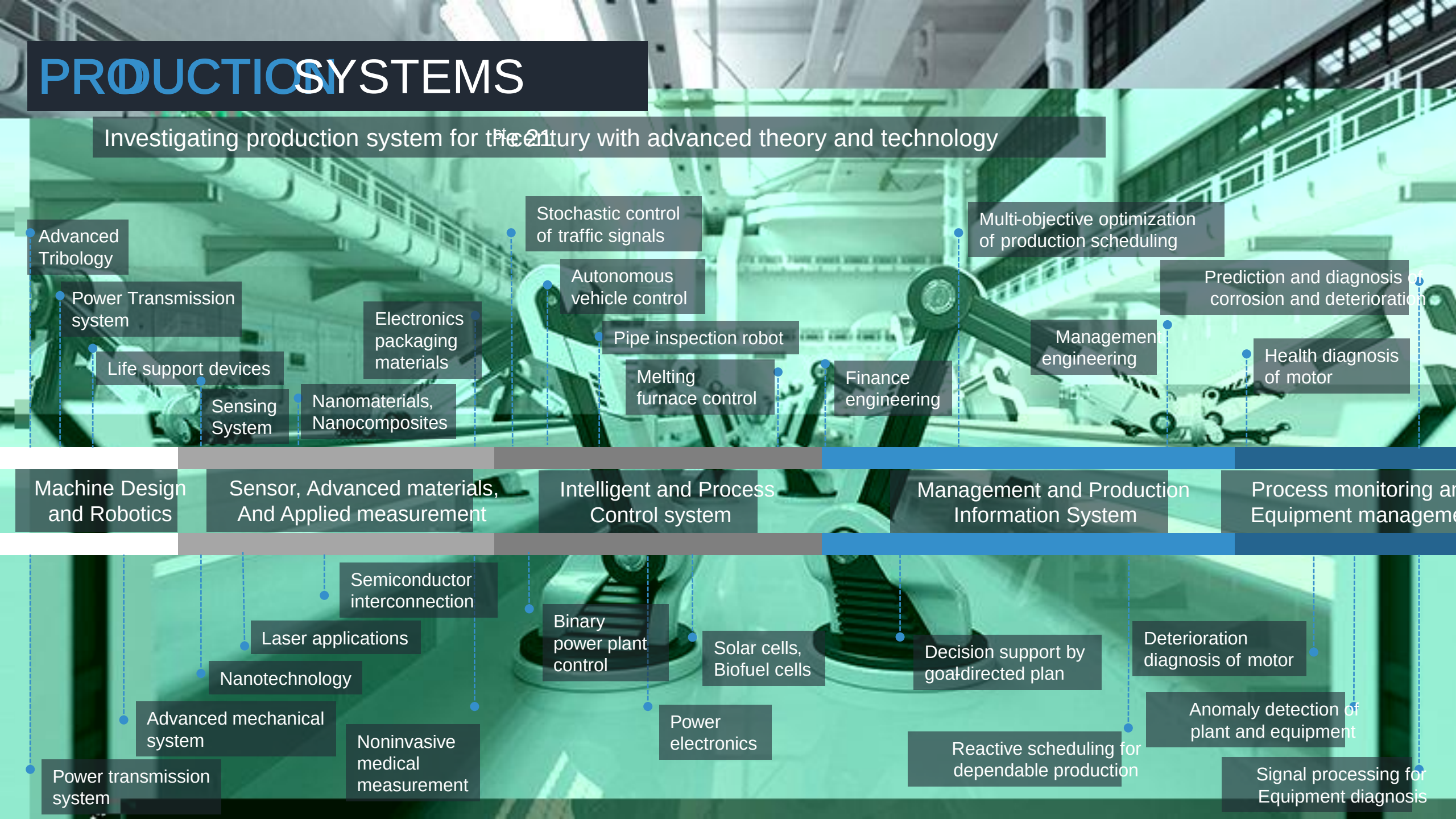
Prof . Tanaka
Interactive Programming

P Field of IPS

Production Systems

Putting IT to work in next generation production systems




PRODUCTION SYSTEMS
Investigating production system for the 21st century with advanced theory and technology
Advanced Tribology
Power Transmission system
Life support devices
Sensing System
Nanomaterials, Nanocomposites
Electronics packaging materials
Stochastic control of traffic signals
Autonomous vehicle control
Pipe inspection robot
Melting furnace control
Finance engineering
Multi-objective optimization of production scheduling
Management engineering
Prediction and diagnosis of corrosion and deterioration
Health diagnosis of motor
Machine Design and Robotics
Sensor, Advanced materials, And Applied measurement
Intelligent and Process Control system
Management and Production Information System
Process monitoring and Equipment management
Semiconductor interconnection
Laser applications
Nanotechnology
Advanced mechanical system
Power transmission system
Noninvasive medical measurement
Binary power plant control
Solar cells, Biofuel cells
Power electronics
Decision support by goal-directed plan
Reactive scheduling for dependable production
Deterioration diagnosis of motor
Anomaly detection of plant and equipment
Signal processing for Equipment diagnosis

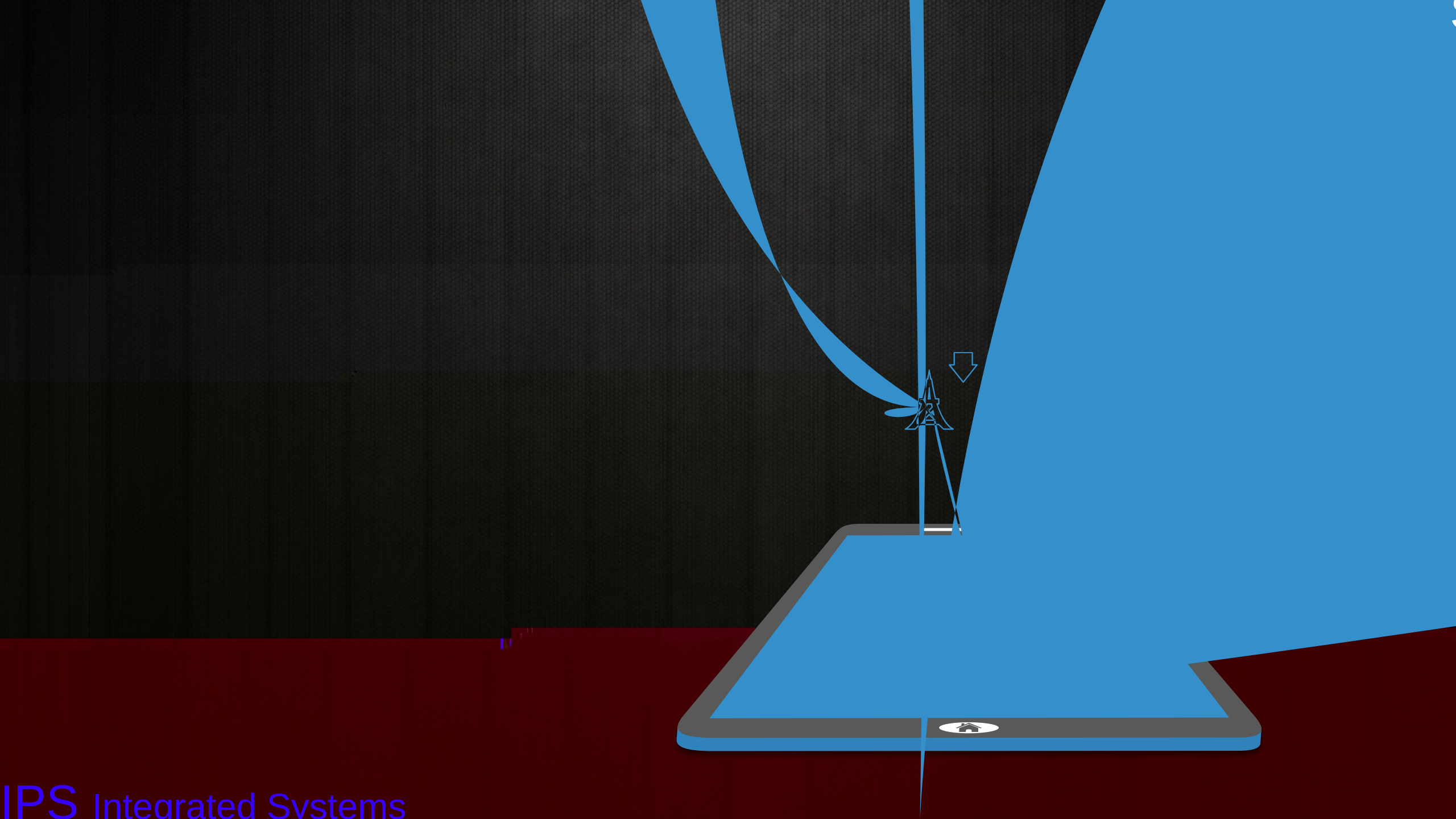
Prof. Inujima
Machine Diagnosis Techniques

Prof. Lee
SystemControl

Prof. Murata
Manufacturing
Information System

Prof . Ogai
ProcessControl

Prof . Tanaka
MechanicalSystemDesign



IPS Integrated Systems

INTEGRATED SYSTEMS
The worldõs leading education and research
for state-of-the-art LSI design and applications

Prof. Ikenaga
Image Information Systems

Prof. Kimura
High-Level Verification Technologies

Prof. Shinohara
Dependable Information Systems

Prof. Watanabe
ASIC Design Automation

Prof. Yamauchi
Advanced System LSI

Prof. Yoshimasu
Wireless Communication Circuits Technologies

Assoc. Prof. Ikehashi
Micro Electro-Mechanical Systems

Assoc. Prof. Kakitsuka
Light Emitting Systems

Assoc. Prof. Takahata
Opto-electronic Integrated System

Prof. Ohsawa
Emerging Memory System