

# 情報ネットワーク論I: 授業概要

## Information Network 1: class overview

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FY2012

# Class Overview

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- Learn more about Technical components for computer networks.
  - There are several vital components for computer networks as the social infrastructure.
    - Network architecture, Internet technology, and their histories.
  - Our goal is to understand technical aspect of those components and how the computer networks work.
    - Mainly concentrated on Internet technology
    - Learn more about technical evolution of computer networks in the last 50 years.
- Learn basic knowledge & skills required for your research in CS graduate school.
  - The way of thinking as CS / IS researchers
  - The way of “look & taste” technology and engineering.

# Faculties in charge

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- Prof. Dr. Suguru Yamaguchi
  - Professor, Internet Engineering Laboratory
  - Internet technology
    - Security, Information Sharing,
    - Tasks for Government of Japan. (former advisor on information security to the cabinet)
  
- Prof. Dr. Youki Kadobayashi
  - Associate Professor, Internet Engineering Laboratory
  - Internet technology
    - High-Performance Computing
    - Network Security
    - Technology convergence.

# Class

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- Components

- Class, Assignment (report), and Exam.
- Teaching Assistant (TA)
  - Contact them via e-mails.
  - `network1-2012@is.naist.jp`
- Office Hour
  - Basically, Tuesday and Thursday afternoon at the room A314
  - Can get consultations by TA

- Evaluation criteria

- Exam (60%), Report (40%)
- 5 assignments for the report.

# Class

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- Presentation materials for this class is available via our web site at:
  - <http://iplab.naist.jp/class/infoN/2012/>
  - PDF
    - Use Acrobat Reader or the other PDF reader program

# Class

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- This class is recorded and provided via “class archive” by our library.
  - Use microphone.
  - Unlimited access allowed.
    - Everybody can see via the Internet.
  - Let’s make this class better!
    - Active discussions and questions are always welcome!

# Class Schedule (as of April 6<sup>th</sup>.)

Day		Topic	
(1)	April 6	Class Overview	Yamaguchi
(2)	April 11	Internet Technology Overview	Yamaguchi
(3)	April 13	Protocol Architecture	Yamaguchi
(4)	April 18	Protocol Architecture	Yamaguchi
(5)	April 20	Data Links	Yamaguchi
(6)	April 25	Data Links	Yamaguchi
(7)	April 27	Network Layer	Yamaguchi
(8)	May 2	Network Layer	Yamaguchi

Day		Topic	
(9)	May 9	Routing	Kadobayashi
(10)	May 11	Routing	Kadobayashi
(11)	May 16	Transport Layer	Kadobayashi
(12)	May 18	Transport Layer	Kadobayashi
(13)	May 23	Upper Layer Technology	Kadobayashi
(14)	May 25	Upper Layer Technology	Kadobayashi
(15)	May 30	Upper Layer Technology	Kadobayashi
(16)	June 1	Exam	

# Exam

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- June 1<sup>st</sup>, 2012 (Friday)
- Remarks
  - You can bring what you want.
  - No communication to the other person.
    - Exam is an evaluation method for each person on understandings on the specific knowledge domain/space.