



東南大學

SOUTHEAST UNIVERSITY

# Laboratory of Signal and Information Processing

Southeast University, Nanjing, China

6 July, 2008

# Definition

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## Signal and Information Processing

is a **discipline** listed in Catalog of Chinese High Education by Ministry of Education of China. This discipline contains various aspects of signal processing (algorithm, software, hardware and system) such as detection and estimation, data representation and compression, multimedia coding, transmission, information acquisition and understanding and a broad of related topics.

# Organizations

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Signal and Information Processing Laboratory of Southeast University is also called Signal and Information Processing Discipline, which is affiliated to School of Information Science and Engineering. Our discipline is on the rank list of National Key Discipline by Ministry of Education of China. One of the founders of the discipline is Prof. Zhenya HE, IEEE Life Fellow.

# Basics

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- Laboratory = Discipline
- Faculty + Staff = 34
- Ph.D students + Post docs = 50
- Master Students = 160

# Faculty Members

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CHEN, Lijun,	Associate Professor
CHEN, Yang,	Associate Professor
GAO, Lizhong,	Associate Professor
GAO, Xiang,	Associate Professor
GUO, Xuelei,	Associate Professor
GUO, Yanfen,	Associate Professor
HUANG, Yongming,	Lecturer
LI, Juan,	Associate Professor
LI, Lijie,	Lecturer
LI, Xia,	Associate Professor
LU, Jiren,	Professor
LUO, Lin,	Associate Professor
LUO, Xinwei,	Lecturer
MAO, Weining,	Professor

# Faculty Members (Continued)

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PEI, Wenjiang,

Professor

QIAN, Jin,

Associate Professor

WANG, Qiao,

Professor, Director of Lab.

WU, Lenan,

Professor

WU, Zhenyang,

Professor

XU, Qinzhen,

Lecturer

YANG, Lvxi,

Professor

ZHANG, Shenqing,

Lecturer

ZHANG, Shikai,

Lecturer

ZHAO, Li,

Professor

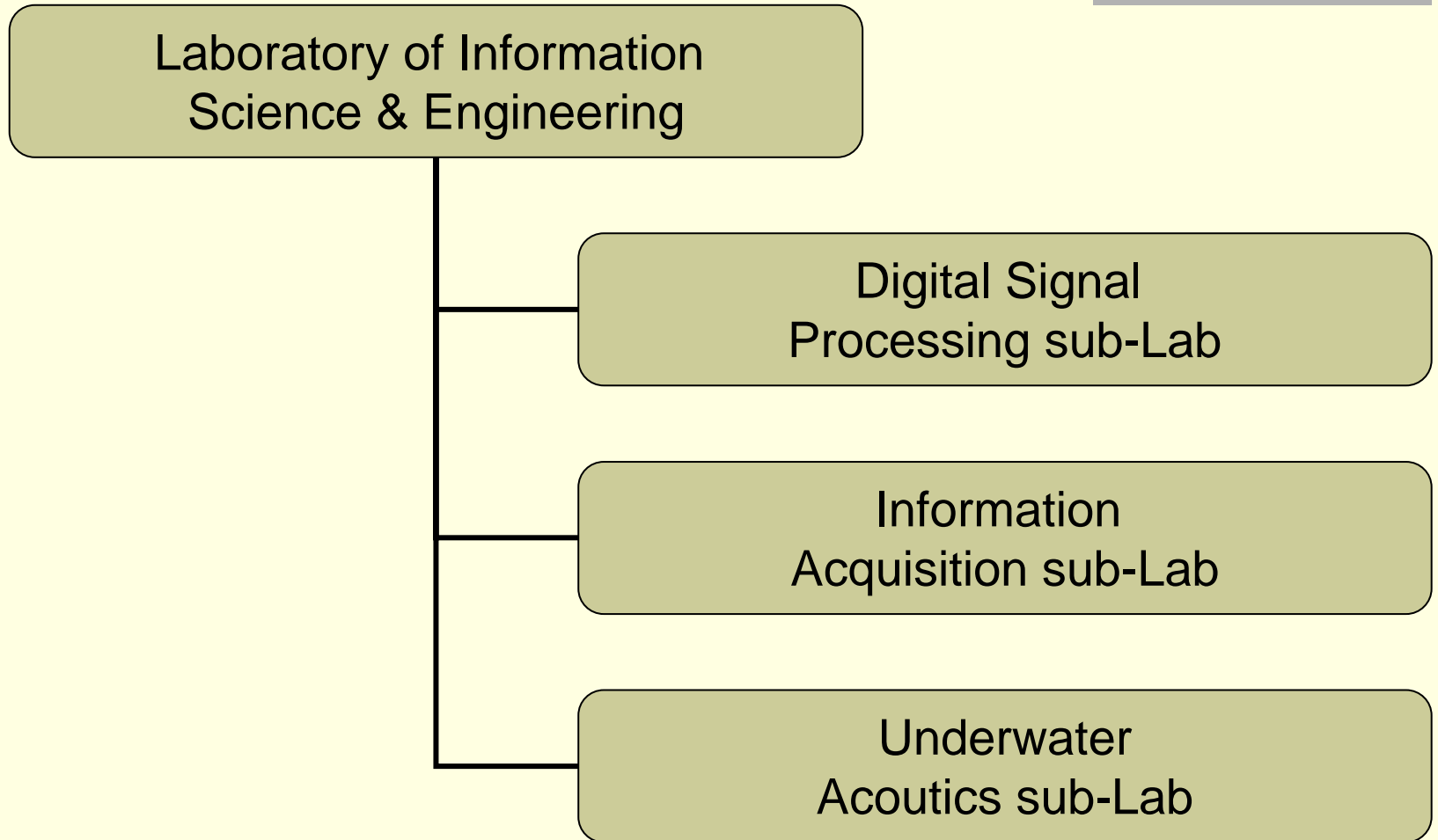
ZHOU, Lin,

Lecturer

ZOU, Cairong,

Professor

# Structure



# Research Topics

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- Network information theory and sensor networks
- Signal processing in wireless communication
- Image analysis and understanding
- Speech and audio processing
- Genomic signal processing
- Pattern recognition
- Digital TV
- Ocean Information Engineering
- Underwater acoustics

# Foundations and Partners

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Our research programs are financially supported by almost all kinds of national research foundations and industry research programs such as “863” projects, “973” projects, NSF of China, defense research programs, Our industry partners include XILINX, TI, Huawei, ZTE and many other high technology companies.

# Thank you very much!

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We sincerely invite you to jointly working with us toward researching challenging problems and designing more powerful systems.

Professor Qiao WANG ( Doctor of Science )  
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