

Division of Quantum Condensed Matter Physics Introduction

K. Yabana Chief of the Division

Staff members of Division of Quantum Condensed Matter Physics

Computational Optical Sciences:

Kazuhiro YABANA (prof., group leader) Xiao-Ming TONG (assoc. prof.) Nobuya MAESHIMA (lecturer)

Computational Nano-Sciences:

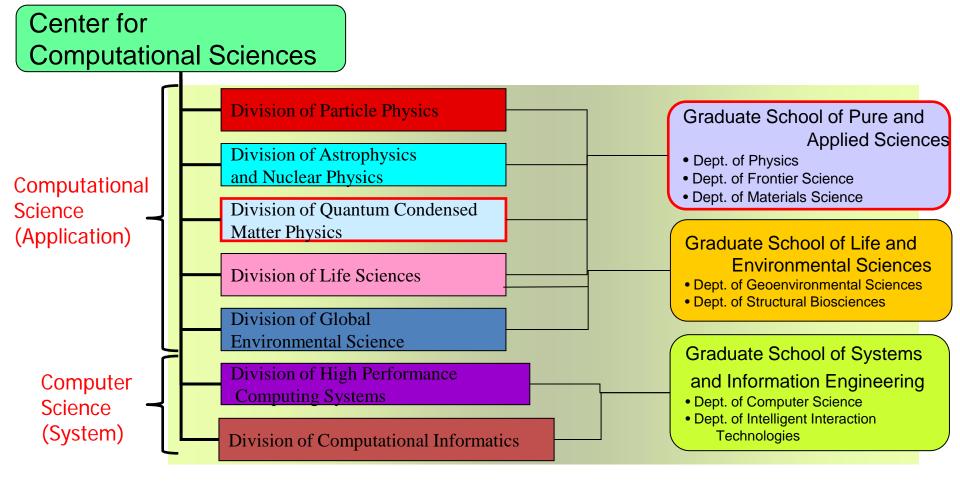
Kenji SHIRAISHI (prof., former group leader, moved to Nagoya Univ. 2013-) Susumu OKADA (prof., moved to dept. of Physics, 2013, collaborative fellow-)

Strongly-Correlated Systems:

Hiroyasu KOIZUMI (assoc. prof.)

*Currently, open recruitment of one associate professor in the division (deadline 3/31)

*All the members also affiliated to: Graduate School of Pure and Applied Sciences



All the staff members belong to both CCS and Graduate School:

(not in this building, but in buildings of departments)

Dept. of Physics, Frontier Science
K. Yabana
K. Shiraishi
S. Okada (Collaborative fellow)

Dept. of Materials Science
X.-M. Tong
H. Koizumi
N. Maeshima

Central part of Univ. Tsukuba



Dept. of Materials Science

X.-M. Tong

H. Koizumi

N. Maeshima

Dept. of Frontier Science K. Shiraishi, S. Okada

CCS

Dept. of Physics K. Yabana

Plan of the session

13:00-13:10 K. Yabana

Introduction of Division of Quantum Condensed Matter Systems

13:10-13:40 X.M. Tong

Time-dependent method in laser material interactions

13:40-14:10 K. Yabana

Time-dendent density fucntional theory for optical sciences

14:10-14:40 N. Maeshima

Photoinduced phase transition and exciton Fano resonance

14:40-15:10 H. Koizumi

Mechanism of cuprate superconductivity

15:10-15:30 break

15:30-16:00 K. Shiraishi

Large-scale first principles calculations of future nano devices

16:00-16:30 S. Okada

First-principles studies on Nano-carbon materials

16:30-17:30 Discussions