

Date: 1st, 2nd, 3rd, September

Place: Classroom 301, 3rd floor, Nakano Campus, Meiji University

2014

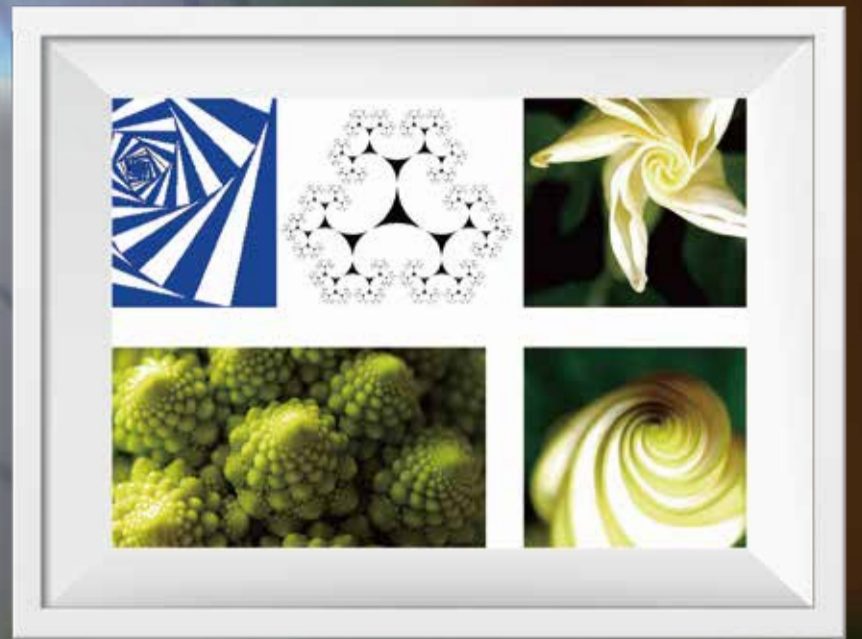
Origami is loved throughout the world as Japanese traditional culture and industrial art, and translated as it is in English.

By using the characteristic that Origami structure is "light weight and stiff" or "deployable and foldable", industrial application will be realized.

The goals of this class are to grasp not only Origami mathematical principle but also modeling and simulation for understanding life function and applying into industry.

Fusion of Origami geometry and computational science

折紙幾何学と計算科学との融合



The lectures will be performed in English. 講義は全て英語で行います。

9 / 1 Mon.	9:30 - 10:00	ICHIRO HAGIWARA	"ORIENTATION" オリエンテーション
	10:10 - 11:10	TAKETOSHI NOJIMA	"MATHEMATICAL ORIGAMI BASIC 1" 数理折紙の基礎 1
	11:20 - 12:20	TAKETOSHI NOJIMA	"MATHEMATICAL ORIGAMI BASIC 2" 数理折紙の基礎 2
	13:30 - 14:30	TAKETOSHI NOJIMA	"MATHEMATICAL ORIGAMI BASIC 3" 数理折紙の基礎 3
	14:40 - 15:40	SACHIKO ISHIDA	"FOLDABLE STRUCTURE DESIGN USING MATHEMATICAL METHOD 1" 数理的的手法による折り畳み構造設計 1
	15:50 - 16:50	SACHIKO ISHIDA	"FOLDABLE STRUCTURE DESIGN USING MATHEMATICAL METHOD 2" 数理的的手法による折り畳み構造設計 2
9 / 2 Tue.	10:00 - 11:00	KAZUYA SAITO	"ORIGAMI AND DEPLOYABLE STRUCTURE 1" 折紙と展開構造 1
	11:10 - 12:10	KAZUYA SAITO	"ORIGAMI AND DEPLOYABLE STRUCTURE 2" 折紙と展開構造 2
	13:30 - 14:30	HIROKO KITAOKA	"GEOMETRICAL INVESTIGATION AND MODELING OF HUMAN ALVEOLI 1" ヒト肺胞の幾何学的解明とモデル化 1
	14:40 - 15:40	HIROKO KITAOKA	"GEOMETRICAL INVESTIGATION AND MODELING OF HUMAN ALVEOLI 2" ヒト肺胞の幾何学的解明とモデル化 2
9 / 3 Wed.	9:30 - 10:30	MARIA SAVCHENKO	"PAPER FABRICATION 1"
	10:40 - 11:40	MARIA SAVCHENKO	"PAPER FABRICATION 2"
	13:00 - 14:00	MARIA SAVCHENKO	"PAPER FABRICATION 3"
	14:10 - 15:10	ICHIRO HAGIWARA	"COMPUTATIONAL SIMULATION FOR PROMOTING ORIGAMI ENGINEERING 1" 折紙工学推進のための計算科学シミュレーション 1
	15:20 - 16:20	ICHIRO HAGIWARA	"COMPUTATIONAL SIMULATION FOR PROMOTING ORIGAMI ENGINEERING 2" 折紙工学推進のための計算科学シミュレーション 2



ICHIRO HAGIWARA
MEIJI UNIVERSITY



SACHIKO ISHIDA
MEIJI UNIVERSITY



HIROKO KITAOKA
JSOL CORPORATION



TAKETOSHI NOJIMA
ART- EXCEL ORIGAMI
ENGINEERING
LABORATORY



KAZUYA SAITO
THE UNIVERSITY
OF TOKYO



MARIA SAVCHENKO
INTERLOCUS, INC. /
MEIJI UNIVERSITY

Everyone is welcome to attend!

明治大学先端数理科学インスティテュート
文部科学省 共同利用・共同研究拠点
現象数理学研究拠点



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