

Introduction of Tohoku University and IRIDeS

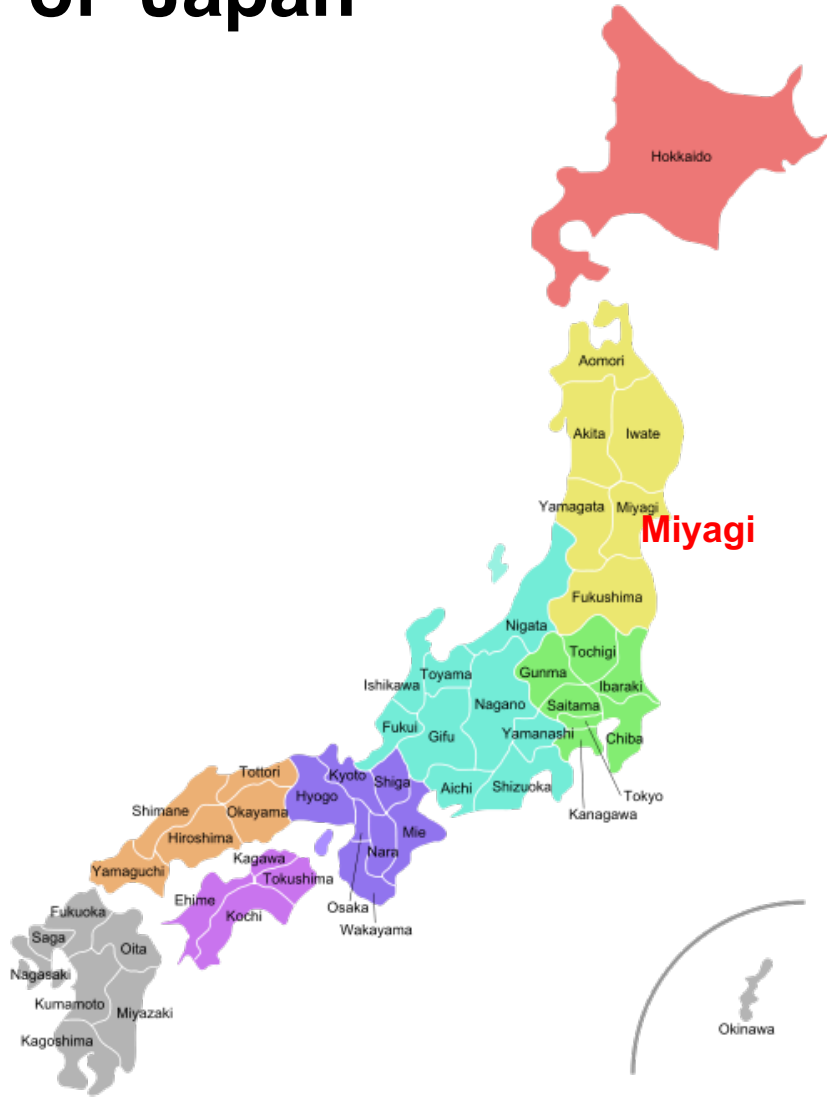
Project Definition Workshop on M9 Disaster Science

Univeristy of Washington, March 13-14, 2019

Kenjiro TERADA

Shunichi KOSHIMURA

Sendai City in Miyagi Prefecture in **Tohoku** area of Japan



**“Tohoku” implies
“EAST-NORTH”
(north-eastern)**

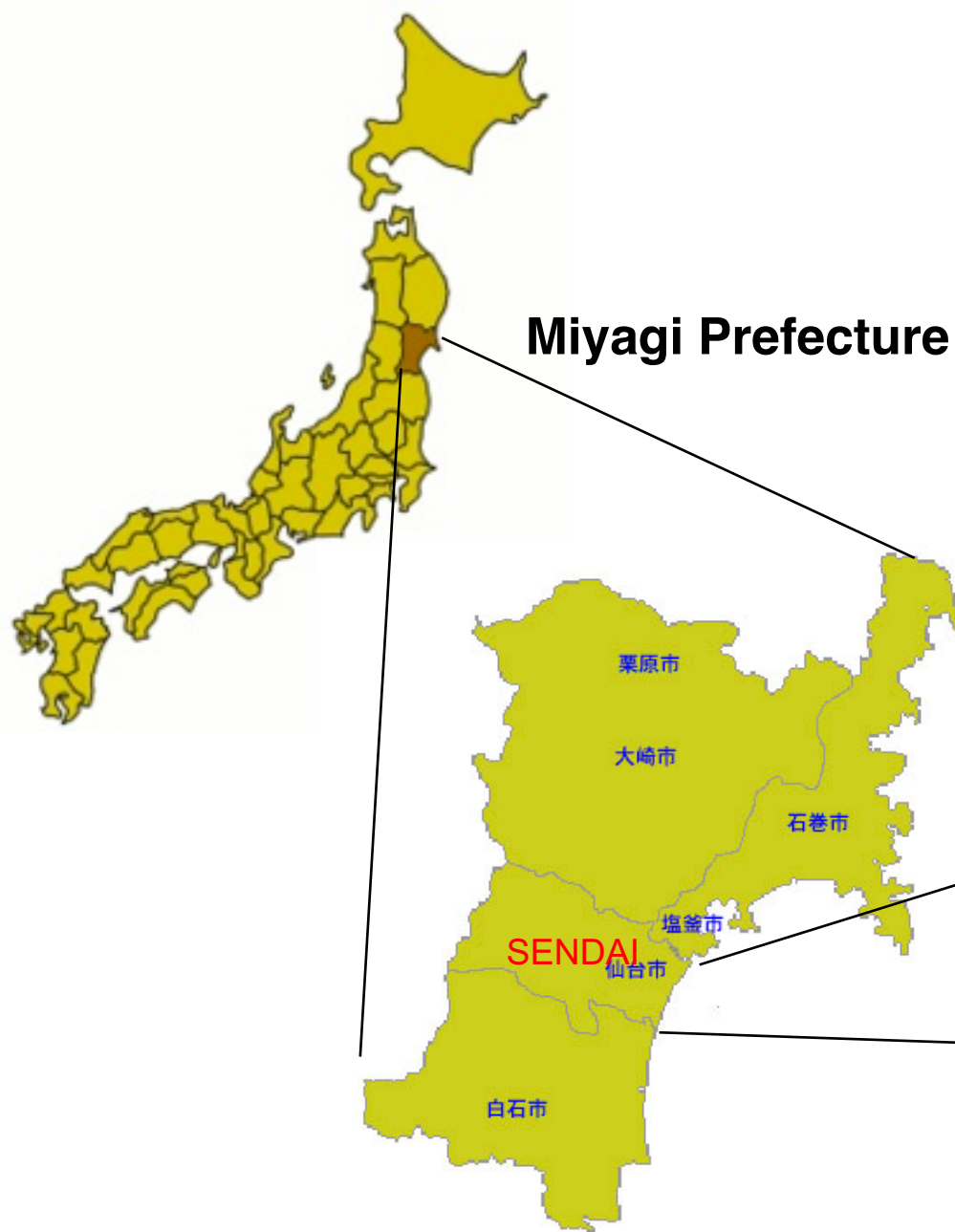


TOKYO SENDAI Region



100 km





Miyagi Prefecture

Sendai City

Tohoku Univ.



Sendai Tanabata Matsuri



Gyutan



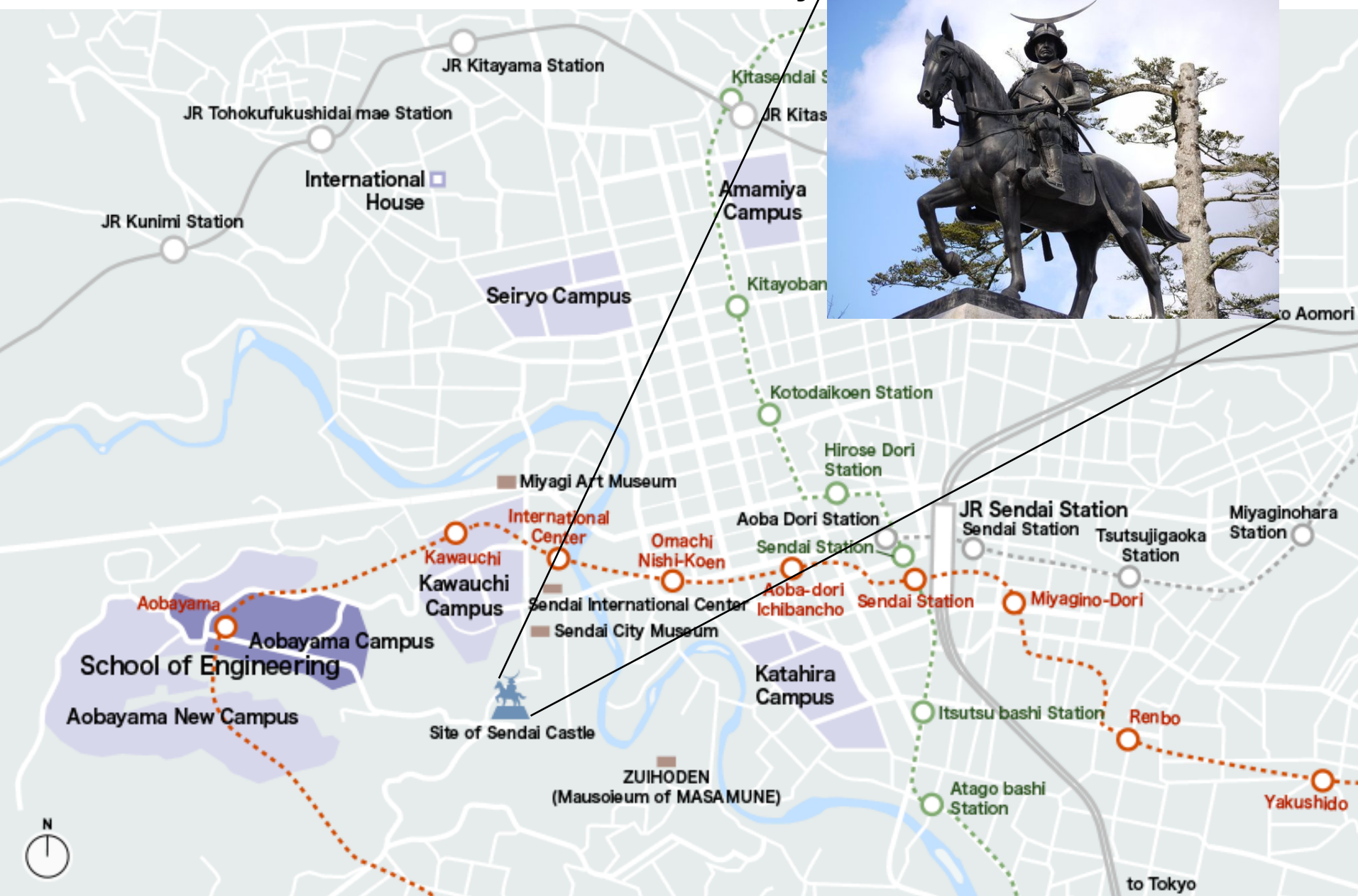
Zao

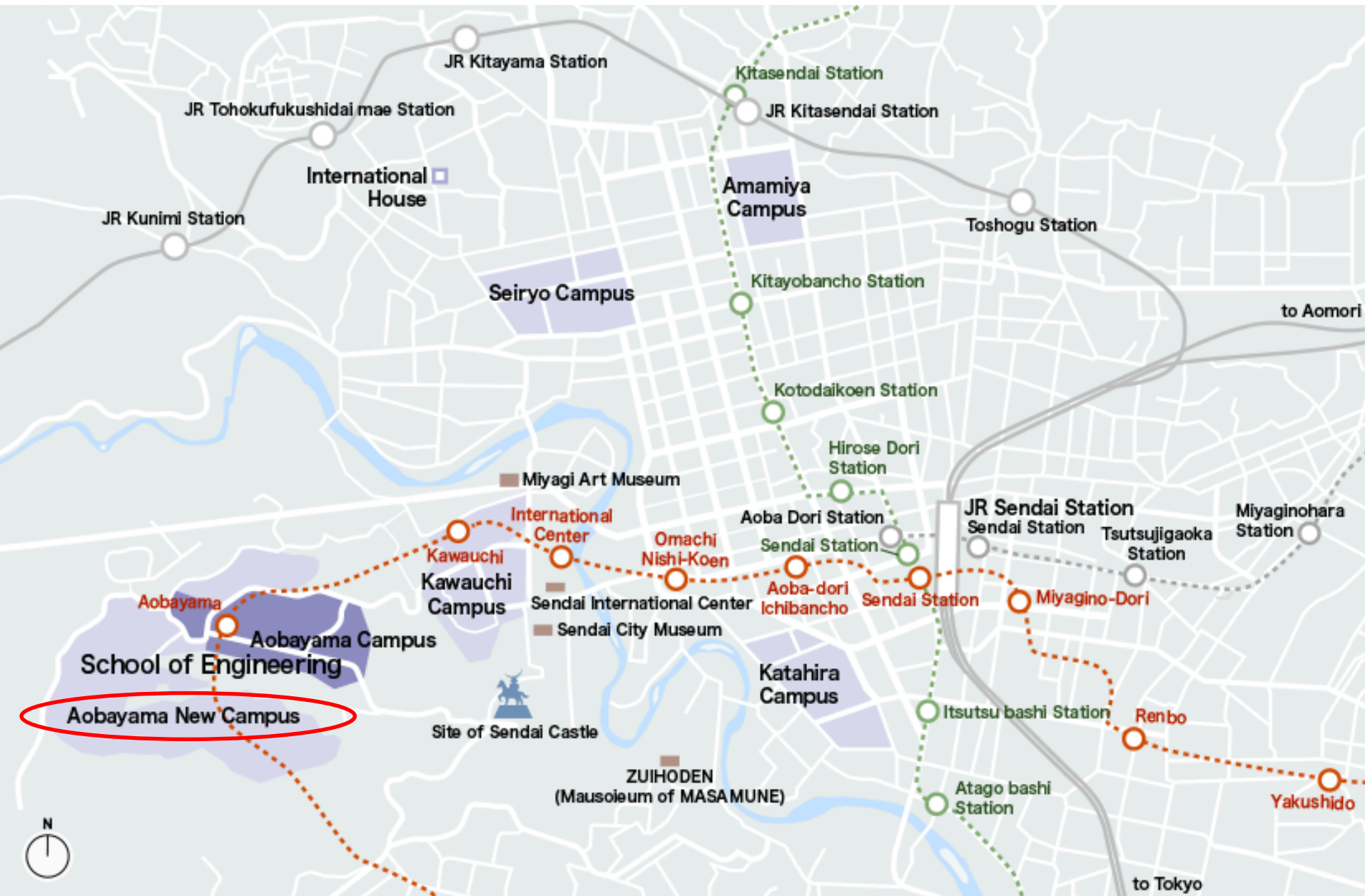


Matsushima

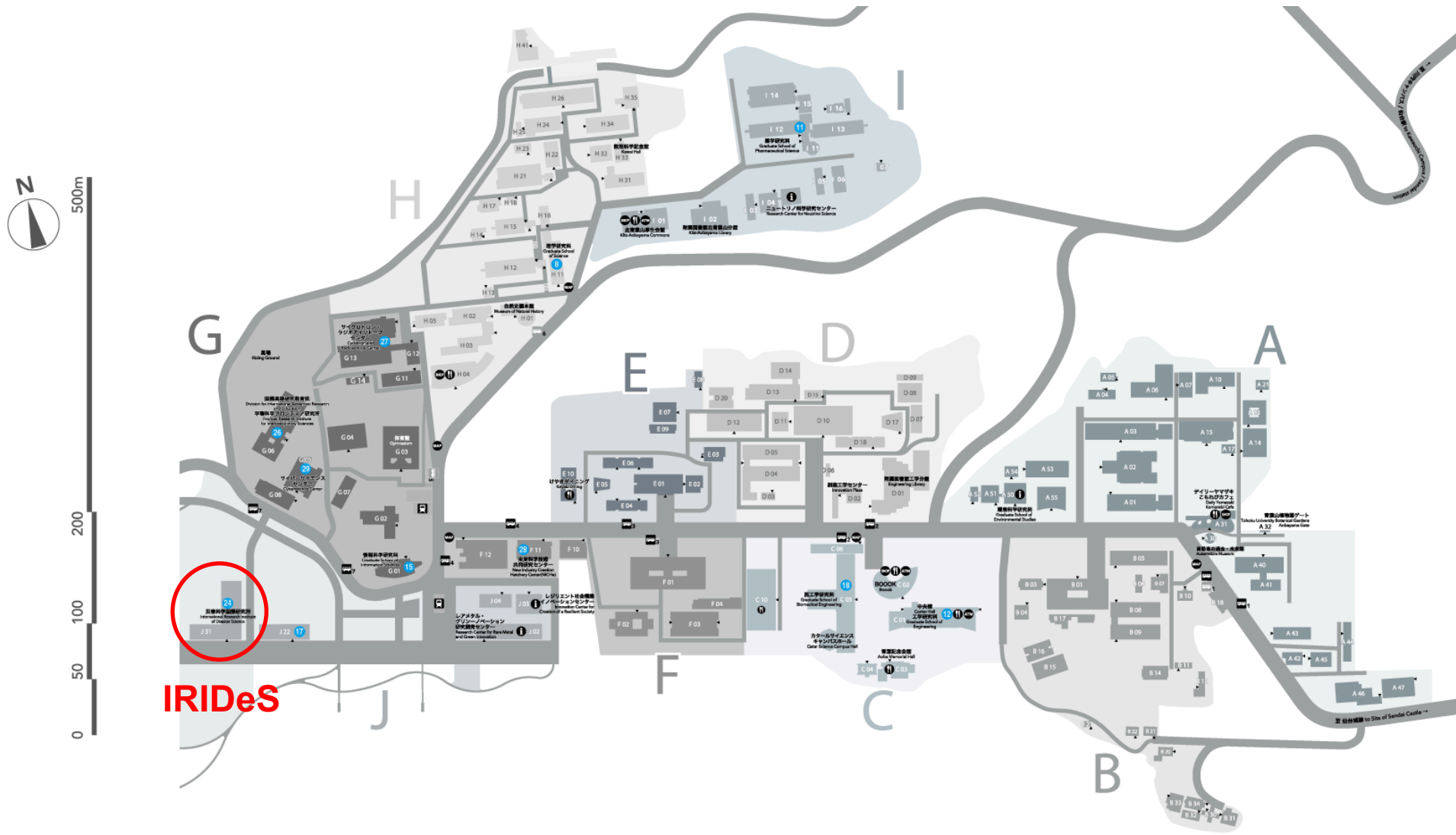


Around Tohoku University





Aobayama and Aobayama New Campuses of Tohoku University





IRIDeS

東北大学 青葉山キャンパス

CAMPUS LIFE



●青葉山キャンパス

book cafe BOOOK (ブুক)

CAMPUS LIFE



●青葉山キャンパス

book cafe BOOOK (ブুক)

CAMPUS LIFE



●青葉山キャンパス
あおば食堂

CAMPUS LIFE



●青葉山キャンパス

東北大学工学部総合研究棟

CAMPUS LIFE



●青葉山キャンパス

東北大学工学部中央棟

CAMPUS LIFE



●青葉山キャンパス

創造工学センター

CAMPUS LIFE



●青葉山キャンパス

電子情報システム・応物系 新1号館

CAMPUS LIFE





●青葉山キャンパス

マテリアル・開発系 実験研究棟

CAMPUS LIFE

●青葉山キャンパス

人間・環境系 実験研究棟

CAMPUS LIFE



Faculties, Graduate Schools and Institutes

Faculties / Schools	Arts and Letters, Education, Law, Economics, Science, Medicine, Dentistry, Pharmacy and Pharmaceutical Sciences, Engineering , Agriculture	(10)
Graduate Schools	Arts and Letters, Education, Law, Economics and Management, Science, Medicine , Dentistry, Pharmaceutical Sciences, Engineering , Agricultural Science, International Cultural Studies, Information Sciences , Life Sciences, Environmental Studies , Biomedical Engineering , Educational Informatics Education, Educational Informatics Research, Internet School of Tohoku University (ISTU)	(17)
Professional Graduate Schools	Law School, School of Public Policy, Accounting School	(4)
Research Institutes	Institute for Materials Research , Institute of Development, Aging and Cancer, Institute of Fluid Science, Research Institute of Electrical Communication, Institute of Multidisciplinary Research for Advanced Materials , International Research Institute of Disaster Science	(7)

Number of Degree Students (as of May 2016)

	Enrolled	International students
Undergraduate students	11,052	204
Graduate students (Master course, Master's Program, Profession Degree Program)	4,174	659
Graduate students (Doctoral Program)	2,625	592
Attached school	34	0
Total	17,885	1,455

Agreements on Academic Exchange (as of May 2016)

Agreements on the University Level	35 countries & regions	207 institutions
Agreements on the Department Level	52 countries & regions	411 institutions

Overseas Offices (as of May 2016)

Overseas offices	3 countries	4 offices
Liaison offices	10 countries	12 centers

Number of International Students (as of May 2016)

93 countries & regions	1,944 (including non-degree students)
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Students in Engineering

Undergraduate (As of May 2016)

Department	Admission Quota	1st year		2nd year		3rd year		4th year		Total
		Men	Women	Men	Women	Men	Women	Men	Women	
Mechanical and Aerospace Engineering	234	236	24	251	29	249	30	284	18	1121
Electrical, Information and Physics Engineering	243	224	25	235	21	-	-	-	-	505
Information and Intelligent Systems	-	-	-	-	-	241	17	288	13	559
Applied Chemistry, Chemical Engineering and Biomolecular Engineering	113	88	28	89	33	101	26	105	37	507
Materials Science and Engineering	113	110	7	112	13	118	14	138	14	526
Civil Engineering and Architecture	107	82	25	97	21	98	30	109	24	486
Total	810	849		901		924		1030		3704

Graduate
(As of May 2016)

Master's Course

Department	Admission Quota	1st year		2nd year		Total	
		Men	Women	Men	Women		
Mechanical Systems Engineering	42	63	8	-	-	71	510
Mechanical Systems and Design	-	3	0	62	3	68	
Finemechanics	45	47	6	-	-	53	
Nanomechanics	-	2	1	40	5	48	
Aerospace Engineering	42	61	2	64	3	130	
Quantum Science and Energy Engineering	38	38	2	34	3	77	
Robotics	42	16	0	-	-	16	
Bioengineering and Robotics	-	5	0	36	6	47	
Electrical Engineering	32	34	4	50	1	89	339
Communication Engineering	31	36	5	37	3	81	
Electrical and Communication Engineering	-	-	-	-	1	1	
Electronic Engineering	51	50	5	42	6	103	
Applied Physics	32	29	3	33	0	65	194
Applied Chemistry	26	28	10	26	12	76	
Chemical Engineering	34	22	10	28	3	63	
Biomolecular Engineering	19	20	5	23	7	55	
Metallurgy	26	30	2	26	4	62	
Materials Science	37	44	7	53	2	106	235
Materials Processing	30	29	2	30	6	67	208
Civil and Environmental Engineering	43	33	6	36	6	81	
Architecture and Building Science	45	44	13	49	21	127	
Management Science and Technology	21	19	2	16	0	37	37
Total	636	746		777		1523	

Doctoral Course

Department	Admission Quota	1st year		2nd year		3rd year		Total
		Men	Women	Men	Women	Men	Women	
Mechanical Systems Engineering	10	12	0	-	-	-	-	12
Mechanical Systems and Design	-	1	0	14	0	19	2	34
Finemechanics	11	4	1	-	-	-	-	5
Nanomechanics	-	2	0	7	0	14	3	26
Aerospace Engineering	11	11	0	12	0	15	1	39
Quantum Science and Energy Engineering	11	7	1	7	0	16	0	31
Robotics	11	4	2	-	-	-	-	6
Bioengineering and Robotics	-	5	0	12	0	7	1	25
Electrical Engineering	8	1	1	6	0	4	0	12
Communication Engineering	8	7	0	2	1	5	0	15
Electrical and Communication Engineering	-	-	-	-	-	2	2	4
Electronic Engineering	15	6	0	14	0	12	0	32
Applied Physics	11	8	1	8	0	15	0	32
Applied Chemistry	8	8	1	6	1	4	0	20
Chemical Engineering	7	4	2	8	1	6	1	22
Biomolecular Engineering	5	1	1	3	1	2	0	8
Metallurgy	7	7	0	4	0	8	1	20
Materials Science	10	16	3	14	1	13	3	50
Materials Processing	8	7	3	5	2	13	0	30
Civil and Environmental Engineering	12	16	3	16	0	12	5	52
Architecture and Building Science	8	3	2	4	2	13	1	29
Management Science and Technology	13	6	1	6	0	13	1	27
Total	174	158		157		216		531