No.	Research area	Title of the research	Name of supervisor	Title of the supervisor	Requirements for applicants : Master's / Ph.D. Student	Numbers of acceptance	Duration : 2-6months (less than 180days)	Comments
1. Pri	nciples of Informatics Research Di	ivision	1	<u>п</u>	<u>"</u>	1		<u> </u>
1	Quantum information	Quantum algorithm development using Bose-Einstein condensates (http://nii.timbyrnes.net/research/quantum- information-using-bose-einstein-condensates/)	Tim Byrnes	Assistant Professor	Master's or Ph.D. students	5	2-6months	
2	Quantum technology + Condensed matter physics	Exciton-polariton condensates for novel light sources (http://nii.timbyrnes.net/research/novel-light-sources-using- exciton-polariton-condensates/)	Tim Byrnes	Assistant Professor	Master's or Ph.D. students	5	2-6months	
3	Quantum technology + Atomic physics	Numerical simulation of atomic BECs for quantum processor (http://nii.timbyrnes.net/research/quantum-information-using- bose-einstein-condensates/)	Tim Byrnes	Assistant Professor	Master's or Ph.D. students	5	2-6months	
4	Quantum technology + Condensed matter physics	Investigation of exciton-polaritons for superfluid polaritronic technologies (http://nii.timbyrnes.net/research/exciton-polariton- condensates-and-new-quantum-technologies/)	Tim Byrnes	Assistant Professor	Master's or Ph.D. students	5	2-6months	
5	Quantum technology + Atomic physics	Quantum feedback control of atomic BECs for quantum memories (http://nii.timbyrnes.net/research/quantum- information-using-bose-einstein-condensates/)	Tim Byrnes	Assistant Professor	Master's or Ph.D. students	5	2-6months	
6	Legal Reasoning	Learning Legal Norms http://research.nii.ac.jp/~ksatoh	Ken Satoh	Professor	Ph.D. students	2	3 months	
7	Artificial Intelligence / Web Informatics	Semantic Web / Linked Data / Linked Open Data http://lod.ac http://www-kasm.nii.ac.jp/	Hideaki Takeda	Professor	Master's or Ph.D. students		3-6 months	
8	Artificial Intelligence / Web Informatics	Social Web / Social Media Analysis / Social Network Analysis http://www-kasm.nii.ac.jp/	Hideaki Takeda	Professor	Master's or Ph.D. students	3	3-6 months	
9	Artificial Intelligence / Web Informatics	Semantic Web for Academic Publication, Library and Museum http://www-kasm.nii.ac.jp/ http://lod.ac	Hideaki Takeda	Professor	Master's or Ph.D. students		3–6 months	
10	Knowledge Processing	Data mining methods for large scale data http://ri-www.nii.ac.jp/	Ryutaro Ichise	Associate Professor	Master's or Ph.D. students		3-6 months	
11	Knowledge Processing	Machine learning methods for semantic integration http://ri-www.nii.ac.jp/	Ryutaro Ichise	Associate Professor	Master's or Ph.D. students	4	3-6 months	
12	Knowledge Processing	Data integration methods for linked data http://ri-www.nii.ac.jp/	Ryutaro Ichise	Associate Professor	Master's or Ph.D. students		3-6 months	

No.	Research area	Title of the research	Name of supervisor	Title of the supervisor	Requirements for applicants : Master's / Ph.D. Student	Numbers of acceptance	Duration : 2-6months (less than 180days)	Comments
13	Numerical Linear Algebra	Iterative solution of least squares problems, its application to interior point methods in linear programming. http://researchmap.jp/KenHayami/	Ken Hayami	Professor	Master's or Ph.D. students	1	2-6 months	Skill in numerical linear algebra and programming required. Knowledge of optimization would be helpful.
14	Inverse Problems	Parameter identification in pharmakokinetics and systems biology. http://www.nii.ac.jp/TechReports/11-002E.html	Ken Hayami	Professor	Master's or Ph.D. students	1	2-6 months	Basic knowledge in numerical analysis and skill in MATLAB required.
15	Abduction / Inductive Logic Programming	(Meta-level) Abduction and its Application to Scientific Discovery (http://research.nii.ac.jp/il/)	Katsumi Inoue	Professor	Master's or Ph.D. students		3-6 months	Basic knowledge of Artificial Intelligence or Machine Learning is required. Additionally, some background in Biology, Chemistry, Physics or Social Science is useful. Contact Prof. Inoue in advance.
16	Automated Reasoning / Logic Programming	Answer Set Programming, Constraint Programming, and Satisfiability Testing (http://research.nii.ac.jp/il/) (http://www.edu.kobe-u.ac.jp/istc-tamlab/cspsat/en/)	Katsumi Inoue	Professor	Master's or Ph.D. students		3-6 months	Basic knowledge of Boolean Satisfiability and Computer Programming is required. Contact Prof. Inoue in advance.
17	Cellular Automata / Systems Biology / Verification	Modeling and Reasoning of Dynamic Systems (http://research.nii.ac.jp/il/) (http://systemsresilience.org/)	Katsumi Inoue	Professor	Master's or Ph.D. students	4	3-6 months	Basic knowledge of Artificial Intelligence is required. Additionally, some background in Bioinformatics, Boolean Networks, Cellular Automata, Discrete Event Systems or Model Checking is useful. Contact Prof. Inoue in advance.
18	Constraint Satisfaction / Multi- Agent Systems	Computational Models of Resilient Agent Systems (http://systemsresilience.org/)	Katsumi Inoue	Professor	Master's or Ph.D. students		3-6 months	Basic knowledge of Artificial Intelligence and Computer Programming is required. Additionally, some background in Control Theory, Constraint Optimization, Game Theory or Probabilistic Modeling is useful. Contact Prof. Inoue in advance.
19	Knowledge Representation and Reasoning	Reasoning with Space and Time, Reasoning about Action and Change (http://research.nii.ac.jp/il/)	Katsumi Inoue	Professor	Master's or Ph.D. students		3-6 months	Some background in Artificial Intelligence, Knowledge Representation and Reasoning is mandatory. Contact Prof. Inoue in advance.
20	Formal Language Theory	The Mathematics of Context-Free and Mildly Context-Sensitive Languages http://research.nii.ac.jp/~kanazawa/publications/index.html	Makoto Kanazawa	Associate Professor	Ph.D. students	2	3 -6 months	In-depth knowledge of formal language theory is required.
21	acoustic signal processing	Source separation and localization based on microphone array http://www.onn.nii.ac.jp/recruitment-e.html	Nobutaka Ono	Associate Professor	Master's or Ph.D. students		2-6 months	Basic knowledge of signal processing and programming skill on Matlab are required.
22	acoustic signal processing	Spectrogram-based audio coding http://www.onn.nii.ac.jp/recruitment-e.html	Nobutaka Ono	Associate Professor	Master's or Ph.D. students	1~5	2-6 months	Basic knowledge of signal processing and programming skill on Matlab are required.
23	machine learning	Fast machine learning algorithm based on auxiliary function approach http://www.onn.nii.ac.jp/recruitment-e.html	Nobutaka Ono	Associate Professor	Master's or Ph.D. students		2-6 months	Basic knowledge of machine learning and programming skill on Matlab are required.
24	Principles of Informatics	Lambda-Calculus and Type Theory http://research.nii.ac.jp/~tatsuta/index-e.html	Makoto Tatsuta	Professor	Master's or Ph.D. students	1	2-6 months	It would be better to know lambda-calculus, type theory, or mathmatical logic.

No.	Research area	Title of the research	Name of supervisor	Title of the supervisor	Requirements for applicants : Master's / Ph.D. Student	Numbers of acceptance	Duration : 2-6months (less than 180days)	Comments
25	Quantum computation and communication	Computer archtecture for quantum information processing http://www.qis.ex.nii.ac.jp/	Kae Nemoto	Professor	Master's or Ph.D. students	2	2-6 months	
26	Quantum computation and communication	Quantum devices http://www.qis.ex.nii.ac.jp/	Kae Nemoto	Professor	Master's or Ph.D. students	2	2-6 months	
27	Crowd sourcing and quantum computation	Game development, QUBIT: the quantum computing game http://www.youtube.com/watch?v=N_d8jih_4ng	Kae Nemoto	Professor	Master's or Ph.D. students	1	2-6 months	also visit http://www.qis.ex.nii.ac.jp/. This project will be a collaboration with Prof. Predinger.
28	Intelligent Robotics	Immersive Virtual Reality System for Human-Robot Interaction http://www.sigverse.org/	Tetsunari Inamura	Associate Professor	Master's or Ph.D. students	. 3	3-6 months	
29	Artificial Intelligence	AI system that solve physics problems of entrance exam for university http://21robot.org/?lang=english	Tetsunari Inamura	Associate Professor	Master's or Ph.D. students	5	3-6 months	
2. In	formation Systems Architecture Sc	ience Research Division						
30	Engineering Software-Intensive Dependable Systems	Automatic Fault Localization of Imperative Programs http://research.nii.ac.jp/~nkjm/en/interns.html	Shin Nakajima	Professor	Master	1	2-3 months	Strong Programming Skill in C Language
31	Engineering Software-Intensive Dependable Systems	Analyzing Non-Functional Properties of Android Applications http://research.nii.ac.jp/~nkjm/en/interns.html	Shin Nakajima	Professor	Master's or Ph.D. students		2-6 months	Strong Programming Skill in Android/Java, Prior knowledge on formal methods and statistics
32	Engineering Software-Intensive Dependable Systems	Self-Reconfigurable Web Application System http://research.nii.ac.jp/~nkjm/en/interns.html	Shin Nakajima	Professor	Master's or Ph.D. students	1~2	2-6 months	Either theoretical work or developing systems to use PHP languages
33	Engineering Software-Intensive Dependable Systems	Refinement-based Modeling with Event-B http://research.nii.ac.jp/~nkjm/en/interns.html	Shin Nakajima	Professor	Master's or Ph.D. students		2-6 months	Prior experience in using Event-B/RODIN
34	wireless networks	resource management and quality of service in wireless networks http://klab.nii.ac.jp/	Yusheng Ji	Professor	Master's or Ph.D. students	4	3 or 6 months	Basic understanding on infrastructure-based and/or ad hoc wireless communication systems is expected
35	network architecture	new architecture for future internet http://klab.nii.ac.jp/	Yusheng Ji	Professor	Master's or Ph.D. students	2	3 or 6 months	Understanding on internet architecture and protocols is required

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36	Parallel Programming	Systematic Parallel Programming for Big Data Processing (http://research.nii.ac.jp/~hu)	Zhenjiang Hu	Professor	Master's or Ph.D. students		2-6months	
37	Software Engineering	Bidirectional Transformation and Its Application (http://research.nii.ac.jp/~hu, https://www.birs.ca/events/2013/5- day-workshops/13w5115)	Zhenjiang Hu	Professor	Master's or Ph.D. students	4	2-6months	
38	Sofware Engineering / Programming Languages	Self-Adaptive Programming and Self-Adaptive Software Systems (http://research.nii.ac.jp/~hu, http://www.nii.ac.jp/shonan/blog/2012/09/17/engineering- adaptive-software-systems-eassy/)	Zhenjiang Hu	Professor	Master's or Ph.D. students		2-6months	
39	computer network	Internet traffic modeling and simulation. http://www.fukuda- lab.org	Kensuke Fukuda	Associate professor	Master's or Ph.D. students	1or2	5-6 months	Solid programming skills in C, C++, or Java
40	computer network	Internet traffic anomaly detection and classification. http://www.fukuda-lab.org/mawilab	Kensuke Fukuda	Associate professor	Master's or Ph.D. students	2	5-6 months	Solid programming skills in C, C++, or Java
41	computer network	Internet routing dynamics. http://www.fukuda-lab.org	Kensuke Fukuda	Associate professor	Master's Student	1or2	5-6 months	Solid programming skills in C, C++, or Java
42	Computer System Architecture	Interconnection Networks for Many-core Computing Systems http://research.nii.ac.jp/~koibuchi/english/index.html	Michihiro Koibuchi	Associate Professor	Master's or Ph.D. students	1	4 to 6	
43	Wireless sensor network	Self-adaptive management of wireless sensor network software (http://www.honiden.nii.ac.jp/en/research/self-adaptive-wsn)	Kenji Tei	Assistant Professor	Master's or Ph.D. students	2	2 to 6 months	See the web site (http://www.honiden.nii.ac.jp/en/research/self-adaptive- wsn)
44	Self-adaptive Software	Model-driven development for self-adaptive software (http://www.honiden.nii.ac.jp/en/research/mdd-for-sas)	Kenji Tei	Assistant Professor	Master's or Ph.D. students	2	2 to 6 months	See the web site (http://www.honiden.nii.ac.jp/en/research/mdd-for-sas)
45	Computer Science	Bidirectional Graph Transformations and its Applications to Model Transformations http://research.nii.ac.jp/~hidaka/internship	Soichiro Hidaka	Assistant Professor	Master's or Ph.D. students	2	2 to 6 months	

No.	Research area	Title of the research	Name of supervisor	Title of the supervisor	Requirements for applicants : Master's / Ph.D. Student	Numbers of acceptance	Duration : 2-6months (less than 180days)	Comments
3. Di	gital Content and Media Sciences F	Research Division						
46	computer vision	One of the following topics. -3D Scene reconstruction using RGB-D cameras -Recognizing human activities from video -image categorization and segmentation - Gaze sensing and gaze naviation http://www.dgcv.nii.ac.jp/	Akihiro Sugimoto	Professor	Master's or Ph.D. students	3	Up to 6 months (at least 3 months; a longer period is better)	Rigorous background on mathematics is required. Programming skills on image processing and computer vision are also required. In the case of Master course students, highly motivated students who can stay for 6 months are preferable. Students who are willing to pursuit ph D at NII are preferable as well. Potential applicants should send your CV and research interests/proposals directly to Prof. Sugimoto before your application.
47	discrete geometry	- Discretization model of geometric shape - Discrete shape fitting to noisy integer points http://www.dgcv.nii.ac.jp/	Akihiro Sugimoto	Professor	Master's or Ph.D. students	1	Up to 6 months (at least 3 months)	Rigorous background on mathematics as well as computer vision is required. In particular, sufficient knowledge of linear algebra, graph theory and number theory are important requirements. Programming skills on image processing or computer vision are also required. Potential applicants should send your CV and research interests/proposals directly to Prof. Sugimoto before your application.
48	text mining	Text mining based on latent topics http://www.ldear.nii.ac.jp/~takasu/en/	Atsuhiro Takasu	Professor	Master's or Ph.D. students	2	3-6 months	
49	stream mining	data mining from large stream data http://www.ldear.nii.ac.jp/~takasu/en/	Atsuhiro Takasu	Professor	Master or Ph.D Student			
50	content-based image and video analysis	video and image semantic analysis and classification (esp. TRECVID SIN task. see: http://www- nlpir.nist.gov/projects/trecvid/)	Shin'ichi Satoh	Professor	Master or Ph.D. (Ph.D. preferable)		more than 90 days	
51	content-based image and video analysis	identification of specific object in video and image (esp. TRECVID instance search. see: http://www- nlpir.nist.gov/projects/trecvid/)	Shin'ichi Satoh	Professor	Master or Ph.D. (Ph.D. preferable)		more than 90 days	
52	content-based image and video analysis	Event detection and action recognition (esp. TRECVID multimedia event detection task. see: http://www- nlpir.nist.gov/projects/trecvid/)	Shin'ichi Satoh	Professor	Master or Ph.D. (Ph.D. preferable)	5	more than 90 days	
53	content-based image and video analysis	Face Sequence Indexing and Matching for Broadcast Videos	Shin'ichi Satoh	Professor	Master or Ph.D. (Ph.D. preferable)		more than 90 days	
54	content-based image and video analysis	3D video analysis (esp. obtained by Kinect) for human action recognition	Shin'ichi Satoh	Professor	Master or Ph.D. (Ph.D. preferable)		more than 90 days	
55	Natural Language Processing	Syntactic Parsing of Natural Language http://kmcs.nii.ac.jp/mylab/	Yusuke Miyao	Associate Professor	Master's or Ph.D. Student	1	6 months	Fundamental knowledge about one of the following areas is required: 1. statistical parsing methods (e.g. PCFG parsing, dependency parsing), or 2. syntactic theory (e.g. HPSG, CCG)
56	Natural Language Processing	Recognition of Textual Entailment http://kmcs.nii.ac.jp/mylab/	Yusuke Miyao	Associate Professor	Master's or Ph.D. Student	1	6 months	Fundamental knowledge about one of the following areas is required: 1. structured machine learning methods (e.g. CRF, tree kernel methods), or 2. theory of natural language semantics (DRT, natural logic)
57	Natural Language Processing	Machine Translation http://kmcs.nii.ac.jp/mylab/	Yusuke Miyao	Associate Professor	Master's or Ph.D. Student	1	6 months	Fundamental knowledge about one of the following areas is requested: 1. statistical machine translation tools (e.g. GIZA++, Moses, etc.), or 2. syntactic parsing tools (Stanford parser, Berkeley parser, etc.)

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58	Speech information processing	Controllable, flexible, and enjoyable speech synthesizer for audiobook http://researchmap.jp/read0205283/?lang=english	Junichi Yamagishi	Associate Professor	Master's or PhD students	1	2-6 months	The successful candidate should be a Master or PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills and experience with statistical parametric speech synthesis. • Familiarity with software tools including HTK, HTS, SPTK, and Festival is preferable
59	Speech information processing	Acoustic modelling for noise-robust or noise-adaptive speech synthesis http://listening-talker.org	Junichi Yamagishi	Associate Professor	Master's or PhD students	1	2-6 months	The successful candidate should be a Master or PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills and experience with statistical parametric speech synthesis. • Familiarity with software tools including HTK, HTS, SPTK, and Festival is preferable
60	Speech information processing	User-feedback learning for speech synthesis http://simple4all.org	Junichi Yamagishi	Associate Professor	Master's or PhD students	1	2-6 months	The successful candidate should be a Master or PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills and experience with statistical parametric speech synthesis. • Familiarity with software tools including HTK, HTS, SPTK, and Festival is preferable
61	Speech information processing	Prosody modelling for speech-to-speech translation and text-to- speech synthesis http://www.idiap.ch/project/siwis/	Junichi Yamagishi	Associate Professor	Master's or PhD students	1	2-6 months	The successful candidate should be a Master or PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills and experience with statistical parametric speech synthesis. • Familiarity with software tools including HTK, HTS, SPTK, and Festival is preferable
62	Speech information processing	Speech synthesis for assistive technologies http://www.smart- mnd.org/voicebank/about/home.html	Junichi Yamagishi	Associate Professor	Master's or PhD students	2	2-6 months	The successful candidate should be a Master or PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills and experience with statistical parametric speech synthesis. • Familiarity with software tools including HTK, HTS, SPTK, and Festival is preferable
63	Speech information processing	Expressive speech synthesis and cross-lingual speaking-style adaptation http://www.emime.org	Junichi Yamagishi	Associate Professor	Master's or PhD students	1	2-6 months	The successful candidate should be a Master or PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills and experience with statistical parametric speech synthesis. • Familiarity with software tools including HTK, HTS, SPTK, and Festival is preferable
64	Speech information processing	Voice anti-spoofing http://www.signalprocessingsociety.org/technical- committees/list/sl-tc/spl-nl/2013-05/spoofing/	Junichi Yamagishi	Associate Professor	Master's or PhD students	1	2-6 months	The successful candidate should be a Master or PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills and experience with speaker recognition/verification
65	Signal Processing	Graph-based Image Restoration & Processing (http://research.nii.ac.jp/~cheung/intern.html)	Gene Cheung	Asssociate Professor	Master's or PhD students	2	3 months minimum	knowledge in low-level image processing and a strong background in mathematics (linear algebra, combinatorial & convex optimization)

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66	Bioimage Informatics	Image processing and machine learning for biological imaging, phenotyping and neural activity analysis http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Assoicate Professor	Master's or PhD students		3-6 months	
67	Crisis Informatics	Event detection, natural language processing and visualization for severe weather and natural disasters http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Assoicate Professor	Master's or PhD students	4	3-6 months	
68	Earth Environmental Informatics	Image processing, machine learning and geo-informatics for climate, agriculture and biodiversity http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Assoicate Professor	Master's or PhD students		3-6 months	
69	Digital Humanities	3D CG modeling, Geographic information systems (GIS), Semantic Web, and multilingual processing for cultural heritage and museums http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Assoicate Professor	Master's or PhD students		3-6 months	
70	Text media	Mining and semantic analysis of scientific papers http://www-al.nii.ac.jp/ http://kmcs.nii.ac.jp/	Akiko Aizawa	Professor	Master's or PhD students	1	4-6months	
71	Text media	Gaze-based natural language processing http://www-al.nii.ac.jp/	Akiko Aizawa	Professor	Master's or PhD students	1	4-6months	
72	Text media	Math formula search http://www-al.nii.ac.jp/ http://ntcir-math.nii.ac.jp/	Akiko Aizawa	Professor	Master's or PhD students	1	4-6months	

No.	Research area	Title of the research	Name of supervisor	Title of the supervisor	Requirements for applicants : Master's / Ph.D. Student	Numbers of acceptance	Duration : 2-6months (less than 180days)	Comments
73	3D Internet and Virtual Worlds (Foundations)	R&D in the foundations of networked massively multi-user 3D virtual environments, based on our original framework (DiVE) and Unity3D. Topics include networking, prediction models, smoothness algorithms, and scaling techniques for large numbers of simultaneous users. http://www.prendingerlab.net/globallab/ (project website) https://sites.google.com/site/ico2globallab/ (iCO2 website) http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students		3-6 months	Solid programming background (e.g. C++ or C Sharp). Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
74	3D Internet and Virtual Worlds (Artificial Intelligence)	Application-oriented research based on 3D virtual environments (Unity3D), incl. "serious games" and Social Mobile Gaming for practicing eco-friendly driving with multi-user driving simulator, disaster evacuation, smart cities, etc. Topics include machine learning for training "opponents", optimization and adaptation techniques, and dynamic challenge balancing. http://www.prendingerlab.net/globallab/(project website) https://sites.google.com/site/ico2globallab/ (iCO2 website) http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students	10	3-6 months	Solid programming background (e.g. C++ or C Sharp). Knowledge of Unity3D is desirable, but not necessary. Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
75	Artificial Intelligence based Content Creation for the 3D Internet	Implementation of Artifical Intelligence techniques for automated content creation in 3D virtual worlds. Topics include traffic simulation, pedestrian simulation, 3D city generation, dialogue generation, multi-agent systems, verbal and non-verbal behavior of embodied animated agents, and narrative control. http://www.prendingerlab.net/globallab (project website) https://sites.google.com/site/ico2globallab/ (iCO2 website) http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students		3-6 months	Solid programming background (e.g. C++ or C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
76	Data Mining of Human Behavior (Data Analytics)	Analysis of our original large-scale data collected from our studies on driving (iCO2) and disaster evacuation (Everscape); predictive analytics (clustering, kNN, etc.) in our iCO2 game; data mining of household occupant behavior based on real data from Osaka area for more accurate energy demand estimation http://www.prendingerlab.net/globallab/ (project website) https://sites.google.com/site/ico2globallab/ (iCO2 website) http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students		3-6 months	Solid programming background (e.g. C++ or C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
77	Discourse Analysis (NLP)	Automated discourse analysis (based on Rhetorical Structure Theory) for automated dialogue generation and advanced web search http://www.prendingerlab.net/globallab/ (project website) http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students		3-6 months	Solid programming background (e.g. C++ or C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
78	Sentiment Recognition from Text (NLP)	Recognition of emotion and attitude from text with Machine Learning and rule based approaches http://www.prendingerlab.net/globallab/ (project website) http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students		3-6 months	Solid programming background (e.g. C++ or C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.

No.	Research area	Title of the research	Name of supervisor	Title of the supervisor	Requirements for applicants : Master's / Ph.D. Student	Numbers of acceptance	Duration : 2-6months (less than 180days)	Comments
79	Software Engineering (Formal Methods, Testing, Agile Development)	Exploring Practical Usages of Formal Specifications http://research.nii.ac.jp/~f-ishikawa/internships/	Fuyuki Ishikawa	Associate Professor	Master's or PhD students	Λ	2-6 months	
80	Service-Oriented Computing, Cloud Computing, Internet of Things, Social Computing	Smart Service Compositions/Mashups in the City and the Web http://research.nii.ac.jp/~f-ishikawa/internships/	Fuyuki Ishikawa	Associate Professor	Master's or PhD students	<b>–</b>	2-6 months	
81	Content security	Fundamental techniques and systems for content security http://research.nii.ac.jp/~iechizen/official/research-e.html	Isao Echizen	Associate Professor	Master's or PhD students	3	3-6 months	
82	Content security	Privacy in business process http://research.nii.ac.jp/~iechizen/official/research-e.html http://research.nii.ac.jp/~iechizen/official/content_e_sven.html	Isao Echizen	Associate Professor	Master's or PhD students	5	3-6 months	
83	Computer Vision and Computer Graphics	Computational Photography: Image-based rendering, Image processing, Color analysis, Spectral imaging http://research.nii.ac.jp/~imarik	Imari Sato	Associate Professor	Master's or PhD students	2	5 to 6 month	A basic knowledge of computer graphics and good programming skills are required
4. Ma	anagement and Outside Collaborat	tion on R&D	•		•		•	
84	Data Mining	Similarity Search and Intrinsic Dimensionality (http://typhoon.nii.ac.jp/~meh/internship/proj-pclust.pdf)	Michael Houle	Visiting Professor	Master's or PhD students		3-6 months	Priority given to PhD students, and for internships of 5-6 months.
85	Data Mining	Outlier Detection and Data Dimensionality (http://typhoon.nii.ac.jp/~meh/internship/proj-pclust.pdf)	Michael Houle	Visiting Professor	Master's or PhD students		3-6 months	Priority given to PhD students, and for internships of 5-6 months.
86	Data Mining	Unsupervised Feature Selection (http://typhoon.nii.ac.jp/~meh/internship/proj-pclust.pdf)	Michael Houle	Visiting Professor	Master's or PhD students	6	3-6 months	Priority given to PhD students, and for internships of 5-6 months.
87	Data Mining	KNN Classification and Applications (http://typhoon.nii.ac.jp/~meh/internship/proj-pclust.pdf)	Michael Houle	Visiting Professor	Master's or PhD students		3-6 months	Priority given to PhD students, and for internships of 5-6 months.
88	Data Mining	Distributed Data Clustering (http://typhoon.nii.ac.jp/~meh/internship/proj-pclust.pdf)	Michael Houle	Visiting Professor	Master's or PhD students		3-6 months	Priority given to PhD students, and for internships of 5-6 months.