List of research topics for NII Intenational Internship Program 2015 2nd Call

No.	Research area	Title of the research	Website	Name of supervisor	Title of the supervisor	Requirements for applicants: Master's / Ph.D. Student	Total number of acceptance per supervisor	Duration : 2-6months (less than 180days)	Comments
1. Principles of Informatics Research Division									
1	Legal Reasoning	Logical Aspect of Legal Reasoning	http://research.nii.ac.jp/~ksatoh/	Ken Satoh	Professor	PhD students	2	3 months	
2	Multi-agent system	Semantics/Implementation of Speculative Computation	http://research.nii.ac.jp/~ksatoh/	Ken Satoh	Professor	PhD students	2	3months	
3	Multi-agent system	Semantics of Argumentation Semantics	http://research.nii.ac.jp/~ksatoh/	Ken Satoh	Professor	PhD students	2	3 months	
4	acoustic signal processing	Source separation or localization based on microphone array	http://www.onn.nii.ac.jp/recruitment-e.html	Nobutaka Ono	Associate Professor	Master's or PhD students	6	2 to 6 months	Basic knowledge of signal processing and programming skill on Matlab are required.
5	acoustic signal processing	Audio information hiding based on phase modification in time-frequency domain	http://www.onn.nii.ac.jp/recruitment-e.html	Nobutaka Ono	Associate Professor	Master's or PhD students	6	2 to 6 months	Basic knowledge of signal processing and programming skill on Matlab are required.
6	acoustic signal processing	Spectrogram-based audio coding	http://www.onn.nii.ac.jp/recruitment-e.html	Nobutaka Ono	Associate Professor	Master's or PhD students	6	2 to 6 months	Basic knowledge of signal processing and programming skill on Matlab are required.
7	acoustic signal processing	Development of real system or interactive tool for audio signal processing	http://www.onn.nii.ac.jp/recruitment-e.html	Nobutaka Ono	Associate Professor	Master's or PhD students	6	2 to 6 months	Basic knowledge of signal processing and programming skill on Matlab are required.
8	Abduction / Inductive Logic Programming	Discovery by (Meta-Level) Abduction	http://research.nii.ac.jp/il/	Katsumi Inoue	Professor	Master's or PhD students	4	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.
9	Automated Reasoning / Logic Programming	Answer Set Programming, Constraint Programming, and Satisfiability Testing	http://research.nii.ac.jp/il/	Katsumi Inoue	Professor	Master's or PhD students	4	3-6 months	Basic knowledge of ASP/CP/SAT and Computer Programming is required. Contact Prof. Inoue in advance.

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10	Boolean Networks / System Dynamics	Learning, Modeling and Reasoning of Dynamic Systems	http://research.nii.ac.jp/il/	Katsumi Inoue	Professor	Master's or PhD students	4	3-6 months	Basic knowledge of Artificial Intelligence is required. Additionally, some background in Biological Modeling, Cellular Automata, Control Theory, Discrete Event Systems, Machine Learning or Model Checking is useful. Contact Prof. Inoue in advance.
11	Multi-Agent Systems	Robust Solutions for (Distributed) Constraint Optimization Problems or Qualitative Spatio-Temporal Problems	http://research.nii.ac.jp/il/	Katsumi Inoue	Professor	Master's or PhD students	4	3-6 months	Basic knowledge of Artificial Intelligence and Computer Programming is required. Additionally, some background in Game Theory, Multi-Agent Simulation or Multi-Objective Optimization is useful. Contact Prof. Inoue in advance.
12	Non-monotonic Reasoning	Reasoning with Information Dynamics in Non-Monotonic Logics	http://research.nii.ac.jp/il/	Katsumi Inoue	Professor	PhD students	4	3-6 months	Basic knowledge in Artificial Intelligence and Knowledge Representation and Reasoning is required. Additionally, some background in Non-Monotonic Reasoning is useful. Contact Prof. Inoue in advance.
13	Airtificial Intelligence	Machine Learning for Driving Data	http://ri-www.nii.ac.jp/	Ryutaro Ichise	Associate Professor	Master's or PhD students	3	3 to 6 months	
14	Airtificial Intelligence	Relational Learning for Knowledge Graph / Linked Data	http://ri-www.nii.ac.jp/	Ryutaro Ichise	Associate Professor	Master's or PhD students	3	3 to 6 months	
15	Airtificial Intelligence	Data Mining for Large Scale Web Data	http://ri-www.nii.ac.jp/	Ryutaro Ichise	Associate Professor	Master's or PhD students	3	3 to 6 months	
16	Artificial Intelligence / Web Informatics	Semantic Web / Linked Data / Linked Open Data http://lod.ac http://www-kasm.nii.ac.jp/	http://www-kasm.nii.ac.jp/~takeda/index.html	Hideaki Takeda	Professor	Master's or PhD students	3	3-6months	
17	Artificial Intelligence / Web Informatics	Social Web / Social Media Analysis / Social Network Analysis http://www-kasm.nii.ac.jp/	http://www-kasm.nii.ac.jp/~takeda/index.html	Hideaki Takeda	Professor	Master's or PhD students	3	3-6months	
18	Artificial Intelligence / Web Informatics	Semantic Web for Academic Publication, Library and Museum http://www-kasm.nii.ac.jp/ http://lod.ac	http://www-kasm.nii.ac.jp/~takeda/index.html	Hideaki Takeda	Professor	Master's or PhD students	3	3-6months	

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19	Quantum computation and communication	Computer archtecture for quantum information processing	http://www.qis.ex.nii.ac.jp/	Kae Nemoto	Professor	Master's or PhD students	3	2-6months	
20	Quantum computation and communication	Quantum devices	http://www.qis.ex.nii.ac.jp/	Kae Nemoto	Professor	Master's or PhD students	3	2-6months	
21	Crowd sourcing and quantum computation	Quantum network: protocols and implementation	http://www.qis.ex.nii.ac.jp/	Kae Nemoto	Professor	PhD students	3	2-6months	
22	Numerical Analysis	Numerical Linear Algebra (iterative solution of systems of linear equations, least square problems, inverse problems, etc.)	http://researchmap.jp/KenHayami/?lang=english	Ken Hayami	Professor	Master's or PhD students	1	3-6 months	Knowledge of (numerical) linear algebra and programming required.

2. Information Systems Architecture Science Research Division

No.	Research area	Title of the research	Website	Name of supervisor	Title of the supervisor	Requirements for applicants: Master's / Ph.D. Student	Total number of acceptance per supervisor	Duration : 2-6months (less than 180days)	Comments
23	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 PhD students	3	2 to 6 months	
24	Software Engineering	Bidirectional Transformation and Its Application	http://research.nii.ac.jp/~hu	Zhenjiang Hu	Professor	Master's or PhD students	4	2-6 months	Intereted in developing practical software systems
25	Programming Languages	Design and Implementation of Bidirectional Functional Languages	http://research.nii.ac.jp/~hu	Zhenjiang Hu	Professor	Master's or PhD students	4	2-6 months	Familiar with functional languages such as Haskell or Ocaml
26	Parallel Programming	Parallel Computing and Bridging Models	http://research.nii.ac.jp/~hu	Zhenjiang Hu	Professor	Master's or PhD students	4	2-6 months	Has experiences of writing parallel programs
27	Interconnection Networks	On- and Off-chip Network Design	http://research.nii.ac.jp/~koibuchi/english/index.html	Michihiro Koibuchi	Associate Professor	Master's or PhD students	1	2-6months	

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28	Software Engineering for CPS	Refinement-based System Modeling with Event-B	http://researchmap.jp/nkjm/	Shin Nakajima	Professor	Master's or PhD students	2	2-6 months	Contact the supervisor for the detailed information before applying the internship program.
29	Software Engineering for CPS	Formal Analysis of Hybrid Systems	http://researchmap.jp/nkjm/	Shin Nakajima	Professor	Master's or PhD students	2	2-6 months	Contact the supervisor for the detailed information before applying the internship program.
30	Software Engineering for CPS	Engineering Self-Adaptive Systems	http://researchmap.jp/nkjm/	Shin Nakajima	Professor	Master's or PhD students	2	2-6 months	Contact the supervisor for the detailed information before applying the internship program.
31	Software Testing	Analysis and Testing of Ajax Web Applications	http://www.honiden.nii.ac.jp/en/research/ajax-testing	Shinichi Honiden	Professor	Master's or PhD students	3	2 to 6 months	
32	wireless networks	resource management in wireless networks	http://klab.nii.ac.jp/	Yusheng Ji	Professor	Master's or PhD students	4	3 or 6 months	Basic understanding on infrastructure-based and/or ad hoc wireless communication systems is expected
33	quality of service	quality of service in wired and wireless networks	http://klab.nii.ac.jp/	Yusheng Ji	Professor	Master's or PhD students	4	3 or 6 months	Basic understanding on infrastructure-based and/or ad hoc wireless communication systems is expected
34	vehicular network	protocols in vehicular ad hoc networks	http://klab.nii.ac.jp/	Yusheng Ji	Professor	Master's or PhD students	4	3 or 6 months	Basic understanding on infrastructure-based and/or ad hoc wireless communication systems is expected
35	network architecture	software defined networking	http://klab.nii.ac.jp/	Yusheng Ji	Professor	Master's or PhD students	4	3 or 6 months	Understanding on internet architecture and protocols is required
36	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 PhD students	1	2 months	Due to circumstances of the supervisor, the starting date should be no later than the middle ten days of January 2015

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37	Gamification, Motvation	Gamification Methods for Motivating People to Achieve Their Own Goals for WillingRing (cf. Website)	http://goo.gl/xMePpN	Kazunori Sakamoto	Assistant professor	Master's or PhD students	6	2 to 6 months	We welcome students who love programming and creative activities. You can see my profile via LinkedIn (http://goo.gl/em22I4).
38	Psychology, Motivation	Psychological (Non-gamification) Methods for Motivating People to Achieve Their Own Goals for WillingRing (cf. Website)	http://goo.gl/xMePpN	Kazunori Sakamoto	Assistant professor	Master's or PhD students	6	2 to 6 months	We welcome students who love programming and creative activities. You can see my profile via LinkedIn (http://goo.gl/em22I4).
39	Web Mining, Werable Devise	Data Mining Methods for Collecting and Analyzing Information of Human Behavior for WillingRing (cf. Website)	http://goo.gl/xMePpN	Kazunori Sakamoto	Assistant professor	Master's or PhD students	6	2 to 6 months	We welcome students who love programming and creative activities. You can see my profile via LinkedIn (http://goo.gl/em22I4).
40	computer network	Software defined network	http://www.fukuda-lab.org	Kensuke Fukuda	Associate professor	Master's or PhD students	2	5-6 months	Solid programming skills
41	computer network	DNS traffic measurement	http://www.fukuda-lab.org	Kensuke Fukuda	Associate professor	Master's or PhD students	2	5-6 months	Solid programming skills
3. Digital Content and Media Sciences Research Division									
42	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/)	http://research.nii.ac.jp/~satoh	Shin'ichi Satoh	Professor	Master or Ph.D (Ph.D preferable)	5	more than 90 days	
43	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/)	http://research.nii.ac.jp/~satoh	Shin'ichi Satoh	Professor	Master or Ph.D (Ph.D preferable)	5	more than 90 days	
44	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/)	http://research.nii.ac.jp/~satoh	Shin'ichi Satoh	Professor	Master or Ph.D (Ph.D preferable)	5	more than 90 days	
45	content-based image and video analysis	3D video analysis (esp. obtained by Kinect) for human action recognition	http://research.nii.ac.jp/~satoh	Shin'ichi Satoh	Professor	Master or Ph.D (Ph.D preferable)	5	more than 90 days	

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46	Text Media	Math information retrieval	http://ntcir-math.nii.ac.jp http://www-al.nii.ac.jp	Akiko Aizawa	Professor	Master's or PhD students	3	3-month or longer preferable	
47	Text Media	Analysis of human reading/writing behavior	http://www-al.nii.ac.jp	Akiko Aizawa	Professor	Master's or PhD students	3	3-month or longer preferable	
48	Text Media	Scientific paper mining and recommendation	http://www-al.nii.ac.jp http://kmcs.nii.ac.jp/	Akiko Aizawa	Professor	Master's or PhD students	3	3-month or longer preferable	
49	computer vision	One of the following topics. (1) 3D Scene reconstruction using RGB-D cameras, (2) Recognizing human activities, (3) Image categorization and segmentation, and (4) Gaze sensing and gaze navigation.	http://www.dgcv.nii.ac.jp	Akihiro Sugimoto	Professor	Master's or PhD students	5	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.
50	discrete geometry	(1) Discretization model of geometric shape, (2) Discrete shape fitting to noisy integer points.	http://www.dgcv.nii.ac.jp	Akihiro Sugimoto	Professor	Master's or PhD students	5	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.
51	Multimedia Data Mining and Services	People activities analytics in the context of social online presences and real physical behaviors in multimedia landscape (e.g., visualizing geo-social activities, context-aware video soundtrack recommendation, enhancing online education especially for MOOC environments by leveraging multimedia techniques)	http://research.nii.ac.jp/~yiyu/	Yu Yi	Assistant Professor	Master's or PhD students	4	3-6months	
52	Music Information Retrieval and Its Applications	Music discovery (e.g., content-based music retrieval and playlisting, personalized music recommendation), and music-based healthcare and wellbeing (e.g., applying various musical technologies in improving wellness and handling daily stress and anxiety)	http://research.nii.ac.jp/~yiyu/	Yu Yi	Assistant Professor	Master's or PhD students	4	3-6months	
53	Bioimage Informatics	Bioimage analysis and machine learning for mouse phenotyping and zebrafish neural activity analysis	http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Associate Professor	Master's or PhD students	4	3-6 months	Programming skill is required. An interdisciplinary topic needs working with domain experts.

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54	Crisis Informatics	Big data analytics (esp. image processing, natural language processing, and temporal prediction) for natural disasters and crisis	http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Associate Professor	Master's or PhD students	4	3-6 months	Programming skill is required. An interdisciplinary topic needs working with domain experts.
55	Earth Environmental Informatics	Big data analytics (esp. image processing and simulation data analysis) for climate change and agriculture	http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Associate Professor	Master's or PhD students	4	3-6 months	Programming skill is required. An interdisciplinary topic needs working with domain experts.
56	Digital Humanities	Geographic information systems (GIS), semantic Web, face recognition, and 3D CG modeling for cultural heritage and museums	http://agora.ex.nii.ac.jp/~kitamoto/education/internship/	Asanobu Kitamoto	Associate Professor	Master's or PhD students	4	3-6 months	Programming skill is required. An interdisciplinary topic needs working with domain experts.
57	Security	Fundamental techniques and systems for content security	http://research.nii.ac.jp/~iechizen/official/research-e.html	Isao Echizen	Professor	Master's or PhD students	3	3 to 6 months	
58	Privacy	Privacy-enhancing technologies for resolving trade-offs between data anonymity and utility	http://research.nii.ac.jp/~iechizen/official/research-e.html	Isao Echizen	Professor	Master's or PhD students	3	3 to 6 months	
59	Signal Pocessing	Graph Signal Processing for Image Representation & Restoration	http://research.nii.ac.jp/~cheung/intern.html	Gene CHEUNG	Associate professor	Master's or PhD students	3	3 months minimum	background in signal processing theory, experience in software development in Matlab and C.
60	Geometric Computer Vision	3D Reconstruction Pipeline for Large-Scale Image Collections (structure-from-motion, pose estimation, minimal problems, et al.)	http://researchmap.jp/yinqiangzheng	Yinqiang Zheng	Assistant Professor	Master's or PhD students	2	2-6 months	Students with strong mathematical and programming skills are preferred. We are aiming at publications in top venues only.
61	Photometric Computer Vision	Illumination and Reflectance Analysis in Multiband Images (intrinsic image, specularity, fluorescence, et al.)	http://researchmap.jp/yinqiangzheng	Yinqiang Zheng	Assistant Professor	Master's or PhD students	2	2-6 months	Students with strong mathematical and programming skills are preferred. We are aiming at publications in top venues only.
62	Software Engineering, Service-Oriented Computing, Agent-Oriented Computing	Engineering Methods for Flexible and Verifiable Adaptation and Evolution of Software Systems	http://research.nii.ac.jp/~f-ishikawa/internships/	Fuyuki Ishikawa	Associate Professor	Master's or PhD students	4	2-6 months	

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63	Software Engineering (Formal Methods, Agile Software Development)	Practical Supporting Tools for Formal Specification and Refinement with Emerging Practices	http://research.nii.ac.jp/~f-ishikawa/internships/	Fuyuki Ishikawa	Associate Professor	Master's or PhD students	4	2-6 months	
64	text mining	Text mining based on latent topics	http://www.ldear.nii.ac.jp/~takasu/en/	Atsuhiro Takasu	Professor	Master's or PhD students	3	3-6 months	
65	Big Data	data analysis and mining methods for big data	http://www.ldear.nii.ac.jp/~takasu/en/	Atsuhiro Takasu	Professor	Master's or PhD students	3	3-6 months	
66	Speech information processing	Controllable, flexible, and enjoyable speech synthesizer for audiobook	http://researchmap.jp/read0205283/?lang=english	Junichi Yamagishi	Associate Professor	PhD students	5	2-6 months	The successful candidate should be a 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.
67	Speech information processing	Speaker recognition and countermeasures for spoofing /	http://www.signalprocessingsociety.org/technical-committees/list/sl-tc/spl-nl/2013-05/spoofing	Junichi Yamagishi	Associate Professor	PhD students	5	2-6 months	The successful candidate should be a PhD student in speech processing, computer science, engineering, linguistics, mathematics, or a related discipline. He or she should have strong programming skills.
68	Speech information processing	DNN-based speech synthesis (signal processing, acoustic modeling and text analysis)		Junichi Yamagishi	Associate Professor	PhD students	5	2-6 months	The successful candidate should be a 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 and deep learning. • Familiarity with software tools including HTK, HTS, SPTK, and Festival is preferable.
69	Speech information processing	Spoken dialogue system	http://www.udialogue.org	Junichi Yamagishi	Associate Professor	Master's or PhD students	5	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. Familiarity with software tools including MMDAgent is preferable.
70	Speech information processing	Voice transformation (Parameterization and models, new applications/frameworks using voice transformation and speech synthesis seemlessly)		Junichi Yamagishi	Associate Professor	PhD students	5	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 speech synthesis or voice conversion.

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71	Computer Vision and Computer Graphics	Computational Photography: Image-based rendering, Image processing, Color analysis, Spectral imaging	http://research.nii.ac.jp/~imarik	Imari Sato	Professor	Master's or PhD students	3	5 to 6 months	A basic knowledge of computer graphics and good programming skills are required.
72	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, interest managment algorithms, prediction models, and scaling techniques for large numbers of simultaneous users or entities.	https://sites.google.com/site/ico2globallab/ (iCO2 website) http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students	12	3-6 months	Solid programming background (e.g. C Sharp). Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
73	3D Internet and Real World (Cyber-Physical Systems)	Application-oriented research based on 3D virtual environments (Unity3D) integrated to real-world settings, for smart cities, disaster response, etc. Target platform for "field users" is mobile devices, such as Smartphone, UAV ("drone"), and wearables. All applications are map-based.	http://www.nsf.gov/news/news_summ.jsp?cntn_id=134609 http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students	12	3-6 months	Solid programming background (e.g. 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.
74	Scalable Task Allocation Methods	Implementation of Artifical Intelligence techniques for automated task allocation in disaster response, such as Search and Rescue	http://research.nii.ac.jp/~prendinger/papers/marconi-AAMAS2013.pdf http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students	12	3-6 months	Solid programming background (e.g. C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
75	Deep Learning, AI, and Data Analytics	Developmento of Deep Learning based Artificial Intelligence core engine for drones, in cooperation with companies (incl. NVIDIA), similar to the engine behind autonomous car; analysis of data collected from drones	http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students	12	3-6 months	Solid programming background (e.g. C Sharp) Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
76	Discourse Search Engine (NLP)	We are building the first-ever Discourse Search Engine (DSE) that exploits the discourse structure in documents to overcome limitations of current document representations in web search. The vision is to improve on Microsoft Cortana as question-answering system (see our ECIR'15 paper)	http://link.springer.com/chapter/10.1007%2F978-3-319-16354-3_10 http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students	12	3-6 months	Solid programming background (e.g. C Sharp). Longer stay preferred for good result (some interesting software). Paper writing will be encouraged and actively supported.
77	Sentiment Recognition from Text (NLP)	Recognition of emotion and attitude from text with Machine Learning and rule based approaches.	http://research.nii.ac.jp/~prendinger/ (personal website)	Helmut Prendinger	Professor	Master's or PhD students	12	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.

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4.Management and Outside Collaboration on R&D									
78	Databases / Data Mining	Similarity Search and Intrinsic Dimensionality	http://zephyr.nii.ac.jp/houlelab/downloads/proj-simsearch.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.
79	Data Mining	Outlier Detection and Data Dimensionality	http://zephyr.nii.ac.jp/houlelab/downloads/proj-outlier.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.
80	Data Mining	Clustering and Data Dimensionality	http://zephyr.nii.ac.jp/houlelab/downloads/proj-clust.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.
81	Data Mining / Machine Learning	Unsupervised Feature Selection	http://zephyr.nii.ac.jp/houlelab/downloads/proj-features.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.
82	Data Mining / Machine Learning	KNN Classification and Applications	http://zephyr.nii.ac.jp/houlelab/downloads/proj-classification.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.
83	Theory (Algorithmics, Statistics, Machine Learning)	Theory of Intrinsic Dimensionality	http://zephyr.nii.ac.jp/houlelab/downloads/proj-id-theory.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.