

令和4年度京都大学防災研究所研究発表講演会

2023年2月21日(火)・22日(水) 京都大学宇治キャンパス内各会場

事前の聴講登録は不要です。発表者・聴講者とも、当日、まず受付(宇治おうばくプラザ1階きはだホールホワイエ)で、聴講登録をお願いします。

★詳細はこちらから→ <https://www.dpri.kyoto-u.ac.jp/news/16875/>

後援：一般社団法人防災研究協会

◆プレナリーセッション◆

宇治おうばくプラザ1階きはだホール

YouTubeライブ配信あり→ <https://dpricon.dpri.kyoto-u.ac.jp/koenlive/>

第1日 2月21日(火)

8:40～(受付での聴講登録)

9:00～9:20 開会の言葉……所長 中北英一

災害調査報告

9:20～9:40 教授 井口正人「桜島爆発による特別警報発表に関する考察」

技術支援報告

9:40～9:55 技術職員 小松信太郎「遠隔地施設における技術支援 ～宮崎観測所の場合～」

第2日 2月22日(水)

特別講演

14:00～14:40 教授 藤田正治「仲間と歩んだ40年間の土砂災害・土砂資源に関わる研究」

14:40～15:20 教授 飯尾能久「単純に突進する」

15:20～16:00 教授 平石哲也「人生、水もの」

閉会式

16:10～16:20 閉会の言葉……副所長 渦岡良介

16:30～16:55 (所内向け連絡事項)

16:55～17:25 優秀発表賞授賞式

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17:45～18:30 ミニ懇親会(宇治おうばくプラザ2階ハイブリッドスペース)

◆パラレルセッション◆

(京都大学宇治キャンパス内各会場：A～E会場：口頭発表、P会場：ポスター発表)

第1日 2月21日(火)

(ポスターの掲示は9:00～18:30)

10:20～12:30 口頭発表(1)

12:30～14:50 ポスター発表コアタイム

15:00～18:30 口頭発表(2)

第2日 2月22日(水)

(ポスターの掲示は9:00～13:00)

9:00～13:00 口頭発表(3)：特別セッション「火山災害」「気候変動リスク予測と適応」を含む

会 場

Reception: 受付 (A きはだホールホワイエ/ Foyer, Kihada hall (2 6 宇治おうばくプラザ 1階 / Obaku Plaza 1F)
Room A: きはだホール / Kihada hall (2 6 宇治おうばくプラザ 1階 / Obaku Plaza 1F)
Room B: セミナー室 / Seminar room (4 木質ホール 3階 / Wood Composite Hall 3F)
Room C: 遠隔会議室 HW401 (2 9 総合研究実験 1号棟 4階 / Research Bldg. No. 1 4F)
Room D: 大セミナー室 / Large-Seminar room (7 7 連携研究棟 3階 / Collaborative Research Hub 3F)
Room E: 大会議室 S-519D (2 7 宇治研究所本館 S棟 5階 / Uji Campus Main Bldg 5F)
Room P: ハイブリッドスペース (ポスター発表、ミニ懇親会) (2 6 宇治おうばくプラザ 2階 / Obaku Plaza 2F)

Uji Campus Map



パラレルセッション（口頭発表・ポスター発表）
発表番号・タイトル・著者一覧

（注）◎印は発表者を、★印は優秀発表賞の対象であることを示します。

地震・火山（1） / Seismic and Volcanic Hazards Mitigation（1）

Tuesday, 21 Feb		
10:20	A101	能登半島の群発地震に伴う地殻変動（続報） Crustal Deformation associated with the earthquake swarm in Noto Peninsula（Continued） ◎西村卓也・平松良浩・太田雄策 ◎Takuya NISHIMURA・Yoshihiro HIRAMATSU・Yusaku OHTA
10:32	A102★	島弧の重力異常と沈み込み帯の各種パラメーターとの関係 Relationship between Gravity Anomalies in Island Arcs and Various Parameters in Subduction Zones ◎西沢貴志・深畑幸俊 ◎Takashi NISHIZAWA・Yukitoshi FUKAHATA
10:44	A103★	スパースモデリングを用いた測地データの解析による歪み速度場の推定 Estimate of Strain-rate Fields by Analysis of Geodetic Data using Sparse Modeling ◎野末陽平・深畑幸俊 ◎Yohei NOZUE・Yukitoshi FUKAHATA
10:56	A104	2016年鳥取県中部地震について On the 2016 Central Tottori Earthquake ◎飯尾能久・京大九大東大地震研 鳥取県中部地震 余震観測班 ◎Yoshihisa IIO・Aftershock observation group of the 2016 Central Tottori Earthquake of Kyoto University・Kyushu University and Earthquake Research Institute of University of Tokyo
11:08	A105★	大阪府北部地域で発生する内陸地震の深さ依存性について Dependence of earthquakes in the northern Osaka on depth ◎大野遼太・飯尾能久 ◎Ryota ONO・Yoshihisa IIO
11:32	A107	地震動の特性と建物内に設置された医療機器の地震時挙動の関係 Influence of Ground Motion Characteristics on Earthquake Responses of Medical Appliance in Buildings Subjected ◎倉田真宏・赤澤資貴・相田伸二・趙晃済・河又洋介・佐分利和宏・大鶴繁 ◎Masahiro KURATA・Motoki AKAZAWA・Shinji AIDA・Kosai CHO・Yohsuke KAWAMATA・Shigeru OHTSURU
11:44	A108★	Development and Testing of Low-Disturbance Seismic Retrofit Method for Steel Column Bases Using Induction-Heating Bending Members ◎Kun-Sian LIN・Yutaro KAWASAKI・Masahiro KURATA
11:56	A109	京都国道9号における光ファイバセンシングで観測された反射S波から推定される下部地殻構造 Lower Crustal Structure Estimated from Reflected S Waves Observed by an Optic Fiber Sensing along Route 9 in Kyoto 宮澤理稔 Masatoshi MIYAZAWA
12:08	A110	既設光ファイバケーブルのDAS観測データを用いた交通量カウントの試行 Trial of Traffic Counting Using Fibre-optic Distributed Acoustic Sensing ◎後藤浩之・宮澤理稔・鎌田泰子 ◎Hiroyuki GOTO・Masatoshi MIYAZAWA・Yasuko KUWATA

地震・火山 (2) / Seismic and Volcanic Hazards Mitigation (2)

Tuesday, 21 Feb

15:00	A201	メキシコ・ゲレロ地震空白域のスロー地震活動とプレート境界面の形状 Insights into the Occurrence and Relationship between Seismicity and a Relief of Plate Interface near the Trench at the of Guerrero Seismic Gap
		◎伊藤喜宏 大柳修慧 Raymundo Omar PLATA MARTINEZ Ketzallina FLORES Emmanuel Soliman GARCIA ◎Yoshihiro ITO Shukei OHYANAGI Raymundo Omar PLATA MARTINEZ Ketzallina FLORES Emmanuel Soliman GARCIA
15:12	A202★	Non-tectonic Long Duration Signal Recorded at Ocean Bottom Inferred by Beamforming on a Seismometer Array
		◎Shukei OHYANAGI・Yusuke YAMASHITA・Takeshi AKUHARA・Yasunori SAWAKI・Yoshihiro ITO・Tomoaki YAMADA・Masanao SHINOHARA
15:24	A203★	Numerical Reproduction and Possible Mechanism of the North-south Difference in Landslide Distribution during the 2018 Hokkaido Eastern Iburu Earthquake
		◎Dongliang HUANG・Hiroyuki GOTO・Chenlin XIANG
15:36	A204★	粘弾性媒質中の固着域の挙動におけるホモクリニック分岐と摩擦強度差の影響 Homoclinic Bifurcation in Behavior of an Asperity in a Viscoelastic Medium and Effect of Strength Contrast
		◎山本誠・野田博之 ◎Makoto YAMAMOTO・Hiroyuki NODA
15:48	A205	地球磁場の中での地震動が生成する電磁場変動を記述する方程式 Revised Set of Equations Describing the Seismo-Electromagnetic Coupled Wavefield in an Ambient Geomagnetic Field
		山崎健一 Ken'ichi YAMAZAKI
16:00	A206	深層 Hashing による類似波形をもつ地震性イベントの超省メモリ・高速探索 Detection of seismic events having similar waveforms by a deep hashing technique
		◎直井誠・平野史朗 ◎Makoto NAOI・Shiro HIRANO
16:12	A207	2022 年トンガ・フンガ火山に伴う長周期信号の CEORKA 強震観測網における観測 Long Period Signal Associated with the 2022 Tonga Hunga Eruption Observed at CEORKA Strong Motion Network
		◎加藤 護・風間卓仁 ◎Mamoru KATO・Takahito KAZAMA
16:24	A208	2022 年トンガ火山噴火の大気ラム波によって引き起こされた津波と日本周辺海域の変遷 Tsunami Triggered by the Lamb Wave From the 2022 Tonga Volcanic Eruption and Transition in the Offshore Japan Region
		◎山田真澄・何東政・J. Mori・西川泰弘・山本真行 ◎Yamada・M.・T.-C. Ho・J. Mori・Y. Nishikawa・M.-Y. Yamamoto
16:48	A209★	桜島で発生する噴火に伴う地震のソースメカニズムの解析 The analysis of source mechanism associated with eruptions at Sakurajima
		◎高橋龍平・中道治久 ◎Ryohei TAKAHASHI・Haruhisa NAKAMICHI
17:00	A210	Dynamics Eruption of Sinabung Volcano based on Seismic Analysis
		◎Vico L. IPMAWAN・Masato Iguchi・Takahiro OHKURA・Takeshi TAMEGURI
17:12	A211	火山噴火時の噴煙・噴出物の飛散シミュレーションに向けた計算手法の考察

		Study on simulation method of volcanic plume and flying cinders at eruption
		丸山 敬 Takashi MARUYAMA
17:24	A212	繰り返しエアガン発振観測における振源波形変化とその除去の検証 Research on Variations and Reduction of Source Effects in the Seismograms among the Rounds of Airgun Shootings
		◎筒井智樹・味喜大介・為栗 健・井口正人 ◎Tomoki TSUTSUI・Daisuke MIKI・Takeshi TAMEGURI・Masato IGUCHI
17:36	A213	桜島火山における繰り返し相対重力測定（2022年度） Repeated Relative Gravity Measurements at Sakurajima Volcano in FY2022
		◎風間卓仁・大柳諒・山本圭吾・岡田和見・大島弘光・竹中悠亮・井口正人 ◎Takahito KAZAMA・Ryo OYANAGI・Keigo YAMAMOTO・Kazumi OKADA・Hiromitsu OSHIMA・Yusuke TAKENAKA・Masato IGUCHI
17:48	A214	空気振動観測によるブルカノ式噴火岩塊到達距離の検討 Hazard evaluation of ballistics from Vulcanian eruptions using infrasound observations
		◎山田大志・井口正人 ◎Taishi YAMADA・Masato IGUCHI
18:00	A215	阿蘇カルデラのマグマシステム -MT 法データによる 3次元比抵抗モデル- Magma System beneath Aso Caldera Based on Electrical Resistivity Models Using by MT Data
		◎畑 真紀・上嶋 誠・宇津木 充・松島 喜雄 ◎Maki HATA・Makoto UYESHIMA・Mitsuru UTSUGI・Nobuo MATSUSHIMA
18:12	A216	始良カルデラ周辺の地盤変動に関する有限要素法モデルを用いた圧力源形状の検討（続報） Investigation of Pressure Source Geometries Using Finite Element Method for Ground Deformation at Around Aira Caldera II
		◎味喜大介・筒井智樹・井口正人 ◎Daisuke MIKI・Tomoki TSUTSUI・Masato IGUCHI

特別セッション 火山災害 [Special Session Volcanic Disaster]

Wednesday, 22 Feb

09:00	A301	地盤変動データベースを用いた桜島ブルカノ式噴火の確率的噴火予測 Probabilistic Eruption Forecasting of Vulcanian Explosions at Sakurajima Volcano Using Ground Deformation Database
		◎石井杏佳・井口正人 ◎Kyoka ISHII・Masato IGUCHI
09:12	A302	火砕流のリアルタイム流下予測 Realtime Prediction of Pyroclastic Flow
		◎為栗健・井口正人 ◎Takeshi TAMEGURI・Masato IGUCHI
09:24	A303	クラストが形成された火山地域斜面における流路の発達特性 Development characteristics of erosion channels on a slope in a volcanic area where crusts have formed
		◎竹林洋史・藤田正治・石川新 ◎Hiroshi TAKEBAYASHI・Masaharu FUJITA・Arata ISHIKAWA
09:36	A304	最近の諏訪之瀬島の噴火活動におけるレーダー反射強度と空振パルス振幅の関係 Relationship between radar reflectivity factors and amplitudes of infrasound pulses during the recent eruption activity of Suwanosejima volcano, Japan

		◎中道治久・井口正人・山田大志 ◎Haruhisa NAKAMICHI・Masato IGUCHI・Taishi YAMADA
09:48	A305	桜島・有村川における土石流の土砂濃度観測 Observation of sediment concentrations of debris flows in Arimura River Catchment, Sakurajima
		◎宮田秀介・野中理伸・藤田正治 ◎Shusuke MIYATA・Michinobu NONAKA・Masaharu FUJITA
10:00	A306	2021年8月福徳岡ノ場の海底火山噴火で噴出した軽石の漂流シミュレーション Simulation of Drift Pumice Stones Erupted from Fukutoku-Okanoeba Submarine Volcano on August 2021
		◎井口敬雄・榎本剛・吉田聡 ◎Takao IGUCHI・Takeshi ENOMOTO・Akira YOSHIDA
10:12	A307	気象レーダとディストロメータ観測から得られた桜島降灰情報 Sakurajima Volcanic Ash Fall Information Derived from Weather Radar and Disdrometer Observations
		◎真木雅之・井口正人・中道治久・西隆昭・小堀壮彦 ◎Masayuki Maki・Masato Iguchi・Haruhisa Nakamichi・Takaaki Nishi・Takehiko Kobori・
10:24	A308	桜島における連続化降灰予測シミュレータの運用 Operation of continuously operable simulator for forecasting deposition of volcanic ash at Sakurajima
		◎井口正人・瀧下恒星 ◎Masato IGUCHI・Kosei TAKISHITA
10:48	A309	ドローンを用いた上空の火山灰および気象場の観測 Observation of Volcanic Ash and Atmospheric Fields Using Drones
		◎山路昭彦・呉映昕・井上美・佐々木寛介 ◎Akihiko YAMAJI・Yingshin WU・Minoru INOUE・Kansuke SASAKI
11:00	A310	Dynamic Volcanic Ash Hazard Maps of the Sakurajima Taisho Eruption Scenario for Evacuation Decision Support
		◎Haris RAHADIANTO・Hirokazu TATANO・Masato IGUCHI
11:12	A311	火山災害からの避難に関する基礎的考察 Preliminary Discussion about Evacuation Behaviors in Volcanic Disaster
		◎矢守克也・大西正光・鈴木駿介 ◎Katsuya YAMORI・Masamitsu ONISHI・Shunsuke SUZUKI
11:24	A312	長期的視野のリスクコミュニケーション：桜島大規模噴火に備える地域との協働活動 Risk Communication with a Long-Term Perspective: Collaborative Activities with Local Communities to Prepare for a Large-Scale Sakurajima Eruption
		◎大西正光・鈴木駿介・矢守克也・井口正人・山泰幸・中野元太・竹之内健介 ◎Masamitsu ONISHI・Shunsuke SUZUKI・Katsuya YAMORI・Masato IGUCHI・Yoshiyuki YAMA・Genta NAKANO・Kensuke TAKENOUCI
11:36	A313	火山噴火による飛行経路変更への影響分析 Analysis of the impact of volcanic eruptions on flight path changes
		◎竹林幹雄・大西正光 ◎Mikio TAKEBAYASHI・Masamitsu ONISHI
11:48	A314	火山研究を都市形成に活かせるか？ -エチオピア・アファール凹地を題材として- Can Volcano Research be Used for Urban Formation? -A Case Study of the Afar Depression, Ethiopia
		◎吉村令慧・石川直人・Tefaye KIDANE・Ameha A. MULUNEH・加々島慎一・北川桐香・望月伸竜・藤井昌和 ◎Ryokei YOSHIMURA・Naoto ISHIKAWA・Tefaye KIDANE・Ameha A. MULUNEH・Shin-ichi KAGASHIMA・Kirika KITAGAWA・Nobutatsu MOCHIZUKI・Masakazu FUJII

大気・水 (1) Atmosphere-Hydrosphere (1)

Tuesday, 21 Feb		
10:20	B101★	メソ対流系の組織化における水蒸気輸送・乱流・降水粒子分布のマルチフラクタル特性 Multifractal Properties of Water Vapor Flux, Turbulence, and Precipitation Particles Distribution in Organizing Process of Mesoscale Convective Systems ◎大野哲之・山口弘誠・中北英一 ◎Akiyuki ONO・Kosei YAMAGUCHI・Eiichi NAKAKITA
10:32	B102★	雨滴粒径分布を表す新関数を用いた層状・対流混合降雨の観測事例解析 An Analytical Representation of Raindrop Size Distribution in a Mixed Convective and Stratiform Precipitating System as Revealed by Field Observations ◎岡崎恵・竹見哲也・大石哲・阿波田康裕・柳瀬友朗 ◎Megumi OKAZAKI・Tetsuya TAKEMI・Satoru OISHI・Yasuhiro AWATA・Tomoro YANASE
10:44	B103★	潮岬風力実験所に設置したマイクロ波放射計を用いた降水に伴う水蒸気変動の特徴 The Characteristics of the Water Vapor Variability with Precipitation by Microwave Radiometry? Observation at the Shionomisaki Wind Effect Laboratory? ◎石井智・箕輪昌裕・高島祐弥・吉田聡 ◎Satoshi ISHII・Masahiro MINOWA・Yuya TAKASHIMA・Akira KUWANO-YOSHIDA
10:56	B104★	地デジ観測と気象モデルによる追跡解析を用いた積乱雲の発達に影響を与える水蒸気構造 Water Vapor Structure Influencing on Development of Convective Clouds by Water Vapor Estimation Using Digital Terrestrial Broadcasting Waves and Tracking Analysis ◎村瀬公崇・山口弘誠・花土弘・川村誠治・金丸佳矢・相馬一義・中北英一 ◎Kimitaka Murase・Kosei YAMAGUCHI・Hiroshi HANADO・Seiji KAWAMURA・Kaya KANEMARU・Kazuyoshi SOUMA・Eiichi NAKAKITA
11:08	B105★	熱帯低気圧に類似した地中海低気圧メディケーン Apollo Apollo: A Tropical-Like Cyclone in the Mediterranean ◎村田峻亮・榎本剛 ◎Shunsuke MURATA・Takeshi ENOMOTO
11:20	B106★	温帯及び熱帯低気圧に対する成長モードの比較 Comparison of growing modes for extra-tropical and tropical disturbances ◎中下早織・榎本剛 ◎Saori NAKASHITA・Takeshi ENOMOTO
11:32	B107★	位相解像型波浪モデルを用いた風波発達を考慮する高波発達モデルの開発 Modeling of High Waves Considering Wind-wave Growth Based on Phase-resolving Wave Model ◎佐藤笙子・森信人・志村智也・宮下卓也 ◎Shoko SATO・Nobuhito MORI・Tomoya SHIMURA・Takuya MIYASHITA
11:44	B108★	海鳥バイオロギングで推定した海上風のアンサンブルデータ同化 Ensemble data assimilation of ocean surface wind estimated by seabird biologging ◎澤田尚樹・吉田聡・山崎哲・依田憲・後藤佑介 ◎Naoki SAWADA・Akira KUWANO-YOSHIDA・Akira YAMAZAKI・Ken YODA・Yusuke GOTO
11:56	B109★	エオルス音に基づく風速推定のための音源定位に関する基礎的検討 Preliminary Study on Sound Source Localization for Wind Speed Estimation based on Aeolian Tone ◎吉川峻平・大風翼・高野靖・西嶋一欽 ◎Shunpei YOSHIKAWA・Tsubasa OKAZE・Yasushi TAKANO・Kazuyoshi NISHIJIMA
12:08	B110★	竜巻状渦に及ぼす地表面粗度の水平配置および高さの影響 Effects of the Distribution and Height of Roughness Obstacles on Tornado-like Vortices ◎佐藤宏樹・竹見哲也 ◎Hiroki SATO・Tetsuya TAKEMI

大気・水 (3) Atmosphere-Hydrosphere (3)

Tuesday, 21 Feb		
15:00	B201★	150年連続ランを用いた梅雨期極端降雨及び前線構造の将来変化に関する物理的解析 Future Changes in Heavy Rainfall and Frontal Structure during the Baiu Season by Physically-Based Analysis using 150-year Continuous Simulations ◎原田茉知・仲ゆかり・中北英一 ◎Machi HARADA・Yukari NAKA・Eiichi NAKAKITA
15:12	B202★	HighResMIP 実験にもとづく MPI 理論を用いた熱帯低気圧強度の長期評価 Long-term Analysis of Tropical Cyclone Intensity using MPI Theory based on HighResMIP Projections ◎伊藤駿・森信人・志村智也・宮下卓也 ◎Shun ITO・Nobuhito MORI・Tomoya SHIMURA・Takuya MIYASHITA
15:24	B203★	Future Changes of Extreme Precipitation and Related Atmospheric Conditions under Global Warming Projected in Large Ensemble Climate Prediction Data ◎Sicheng HE・Tetsuya TAKEMI
15:36	B204★	The prediction of the morphodynamic change in coastal area under climate change ◎Xinyu CHEN・Nobuhito MORI
15:48	B205★	海洋モデルの結合および気候変動が及ぼす, MRI-AGCM 気候計算における台風への影響評価 Projecting the Impact of Ocean Model Coupling or Climate Change on Typhoons in MRI-AGCM Climate Calculations. ◎岡田智晴・志村智也・森信人・宮下卓也・Adrean WEBB・水田亮 ◎Tomoharu OKADA・Tomoya SHIMURA・Nobuhito MORI・Takuya MIYASHITA・Adrean WEBB・Ryo MIZUTA
16:00	B206★	動径基底関数に基づく大気大循環モデルを用いた傾圧不安定波実験 Baroclinic Instability Experiments Using an Atmospheric General Circulation Model Based on Radial Basis Functions ◎小笠原宏司・榎本剛 ◎Koji OGASAWARA・Takeshi ENOMOTO
16:12	B207★	非内挿セミラグランジュ移流の改良 Improvement of the non-interpolating semi-Lagrangian scheme 岡崎康平 Kohei Okazaki
16:24	B208★	豪雨発生の偶然性評価を目的としたスケール相似則モデルの LES への適用 Application of Scale Similarity Model to Large-Eddy Simulation for Investigation on Contingency of Convective Initiation ◎河谷能幸・山口弘誠・中北英一 ◎Yoshiyuki KAWATANI・Kosei YAMAGUCHI・Eiichi NAKAKITA
16:48	B209★	ライフサイクル概念に基づいた豪雨システムにおける渦管挙動の解析 Analysis of Vortex Tube Behavior in Heavy Rainfall Systems Based on Life Cycle ◎前川智寧・中北英一 ◎Tomoyasu MAEKAWA・Eiichi NAKAKITA
17:00	B210★	九州北部で発生した豪雨事例における環境条件の特徴 Characteristics of environmental conditions for recent extreme rainfall events in northern Kyushu ◎中七海・竹見哲也 ◎Nanami NAKA・Tetsuya TAKEMI
17:12	B211★	瀬戸内海周辺地域における土砂災害時の降雨の特徴

		Features of Rainfall during Landslide Disasters in the Area Surrounding the Seto Inland Sea
		◎柴川大雅・竹見哲也 ◎Taiga SHIBAKAWA・Tetsuya TAKEMI
17:24	B212	Diurnal Cycle of Convective Activity and Environmental Conditions during the Heavy Rainfall Event of 4–9 July 2020 in the Yangtze–Huai River Valley Region
		◎Ling TONG・Tetsuya TAKEMI
17:36	B213	Long-term Assessment of Relative Sea-level Variability Considering Tectonic Deformations, Sea-level Rise, Storm Surge, and Ocean Waves: The Case Study of the Chilean Coast
		◎Molteni-Perez・Francisco・Mori Nobuhito・Shimura Tomoya・Miyashita Takuya
17:48	B214	和瓦屋根に設置した太陽光発電パネルに働く風力に対する棟瓦の影響 Effect of Ridge Tiles on Wind Forces on Photovoltaic Panels Mounted on Roof with Japanese Roof Tiles
		◎村上剛・丸山敬 ◎Tsuyoshi MURAKAMI・Takashi MARUYAMA
18:00	B215	地形性降雨を考慮した降雨予測による列車運転規制方法に関する研究 Investigation on the Train Operation Control Method with Rainfall Prediction considering the Orographic Rainfall
		◎中淵遥平・中北英一 ◎Yohei NAKABUCHI・Eiichi Nakakita
18:12	B216	新雪密度の推定を目的とした偏波レーダー観測 Polarimetric Radar Observation for Estimating Newly Fallen Snow Density
		◎高見和弥・竈本倫平・鈴木賢士・山口弘誠・中北英一 ◎Kazuya TAKAMI・Rimpei KAMAMOTO・Kenji SUZUKI・Kosei YAMAGUCHI・Eiichi NAKAKITA

地震・火山 (3) Seismic and Volcanic Hazards Mitigation (3)

Wednesday, 22 Feb

09:00	B301	南海トラフ巨大地震の予測高度化を目指した地震学的構造研究：四国地域（4） Seismological Structural Study Aiming at Advanced Prediction of Nankai Trough Megaquake: Shikoku Region (4)
		◎澁谷拓郎・中川 潤・長岡愛理 ◎Takuo SHIBUTANI・Jun Nakagawa・Airi NAGAOKA
09:12	B302	科学と社会の意思決定の同型性の探索：宮崎観測所の事例を通じて An Inquiry into the Isomorphism between Science and Social Decision-Making : A case study on Miyazaki Observatory
		◎岩堀卓弥・山下裕亮・山崎健一・伊藤喜宏 ◎Takuya IWAHORI・Yusuke YAMASHITA・Kenji YAMAZAKI・Yoshihiro ITO
09:24	B303	稠密地震観測によって推定された近畿地方中北部の活断層近傍における応力場 Local Stress Field near the Active Faults in the North-central Kinki District Investigated by Dense Seismic Observation
		◎田中俊雄・飯尾能久・片尾 浩・澤田麻沙代・富阪和秀 ◎Toshio TANAKA・Yoshihisa IIO・Hiroshi KATAO・Masayo SAWADA・Kazuhide TOMISAKA
09:36	B304	多重断層面上のすべり分布インバージョンとその2016年熊本Mw7.0地震への適用 Reconstruction of slip distributions on multiple faults with applications to the 2016 Kumamoto Mw7.0 earthquake
		徐培亮 Peiliang XU

09:48	B305	観測記録の応答スペクトルとフーリエ・スペクトルの分離解析から得られたサイト特性の比較 Comparison of Site Amplification Factors from Response and Fourier Spectra of Observed Ground Motions
		◎川瀬博・仲野健一・伊藤恵理 ◎Hiroshi KAWASE・Kenichi NAKANO・Eri ITO
10:00	B306	奈良盆地の地盤構造のモデル化 Modeling of the 3D velocity structure of the Nara basin
		◎関口春子・浅野公之・岩田知孝 ◎Haruko SEKIGUCHI・KimiYuki ASANO・Tomotaka IWATA
10:12	B307	強震記録を用いた京都－奈良盆地深部地盤構造モデルの検証 Validation of the Deep Velocity Structure Model in the Kyoto and Nara Basins Using Strong Motion Records
		◎浅野公之・関口春子・岩田知孝 ◎KimiYuki ASANO・Haruko SEKIGUCHI・Tomotaka IWATA
10:24	B308	ボーリング資料の解析による京都盆地南部の西山断層帯と宇治川断層帯の浅部地下構造 Shallow subsurface structures of the Nishiyama and Ujigawa faults in southern Kyoto basin based on borehole data analysis
		◎堤 浩之・増田富士雄・岩田知孝・浅野公之 ◎HiroYuki TSUTSUMI・Fujio MASUDA・Tomotaka IWATA・KimiYuki ASANO
10:48	B309	2022年6月19日能登地方の地震(M5.4)時に震度6弱を記録したK-NET正院の地震動特性と地盤構造 Ground Motion Characteristics and underground velocity structure at K-NET Shoin station, 6-observed during Noto earthquake of M5.4, on June 19th, 2022 Modeling of the 3D velocity structure of the Nara basin
		◎岩田知孝・浅野公之・宮本英・緒方夢顕 ◎Tomotaka IWATA・KimiYuki ASANO・Takeshi MIYAMOTO・Mugen OGATA
11:00	B310	S-net 海底地震加速度記録の水平上下比を用いた地下構造同定 Underground Structure Identification at S-net Seafloor Sites Using Horizontal-to-Vertical Spectral Ratio of Earthquake Acceleration Records
		◎長嶋史明・Yadab P. Dhakal・川瀬博・仲野健一 ◎Fumiaki NAGASHIMA・Yadab P. DHAKAL・Hiroshi KAWASE・Kenichi NAKANO
11:12	B311	建物振動を統一的に記述する式の連結制振への拡張 Extension of the Unified Formula Describing Building Vibration to Joint Damper
		◎池田芳樹・松本祐輝 ◎Yoshiki IKEDA・Yuki MATSUMOTO

大気・水 (2) Atmosphere-Hydrosphere (2)

Tuesday, 21 Feb

10:20	C101★	Impact Assessment on Seawall of Sediment Transport over a Dune during Huge Tsunami Attacks ◎Siyi HE・Nozomu YONEYAMA
10:32	C102★	黒い津波が防潮堤に与える波力に関する数値解析 Numerical simulation of the influence about variation of density of Tsunami on wave force applied on breakwater ◎白皓東・米山望 ◎Hakukoutou・Yoneyama nozomu
10:44	C103★	淀川大堰周辺における津波来襲時の有害物質拡散による取水影響予測 Assessment of Impact of Water Withdrawal by River Discharge of Toxic Substances in Yodogawa River during Earthquake ◎尾崎亮介・米山望 ◎Ryosuke OZAKI・Nozomu YONEYAMA
10:56	C104★	グリーンベルトによる波浪減衰効果に関する実験及び数値解析 Experiments and Numerical Analysis of Wave Attenuation Effects by Green Belt ◎岩田奏・平石哲也・張哲維 ◎So Iwata・Tetsuya Hiraishi・Che-Wei CHANG
11:08	C105★	高潮時の越波・越流同時生起および遷移過程に関する実験的研究 Experimental Study on the Process of Simultaneous Wave Overtopping and Current Overtopping and Transition during Storm Surge ◎松木謙太・甲田友里花・安田誠宏・平石哲也・張哲維・森信人 ◎Kenta MATSUKI・Yurika KODA・Tomohiro YASUDA・Tetsuya HIRAISHI・Che-Wei CHANG・Nobuhito MORI
11:20	C106★	Modelling of Bank Erosion Using a 3D Numerical Model ◎Heli YU・Kenji KAWAIKE・Kazuki YAMANOI・Takahiro KOSHIBA
11:32	C107★	厚真川流域を対象とした崩壊裸地斜面からの土砂流出に関する研究 Sediment Runoff from Bare Slopes in the Atsuma River Watershed ◎篠原滉志・山野井一輝・川池健司・小柴孝太・中川一 ◎Koshi SHINOHARA・Kazuki YAMANOI・Kenji KAWAIKE・Takahiro KOSHIBA・Hajime NAKAGAWA
11:44	C108★	気候変動を踏まえた氾濫リスクの将来変化に関する研究 Study on the Future Change of the Inundation Risk Considering Climate Change ◎斎藤芳樹・川池健司・山野井一輝・小柴孝太・中川一 ◎Yoshiki SAITO・Kenji KAWAIKE・Kazuki YAMANOI・Takahiro KOSHIBA・Hajime NAKAGAWA
11:56	C109★	Estimation of Future Extreme Flood Discharge Using d4PDF and POT Analysis ◎Jiachao CHEN・Takahiro SAYAMA
12:08	C110★	全国水文モデルのパラメータ地域統合化と多地点精度検証 Regionalization of a Nationwide Hydrologic Model Parameters and Validation at Multiple Locations ◎山北文登・佐山敬洋・山田真史・菅原快斗 ◎Ayato Yamakita・Takahiro Sayama・Masafumi Yamada・Yoshito Sugawara

大気・水 (4) Atmosphere-Hydrosphere (4)

Tuesday, 21 Feb

15:00	C201★	円山川の超過洪水時におけるリスク軽減のための氾濫誘導に関する研究 Study on Inundation Induction for Risk Reduction against Excessive Flood in Maruyama River
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		◎大西左海・角哲也・竹門康弘・Sameh KANTOUSH ◎Sakai ONISHI・Tetsuya SUMI・Yasuhiro TAKEMON・Sameh KANTOUSH
15:12	C202★	大井川における利水ダムを含む縦列ダム群の洪水防災操作に関する研究 Study on Flood Mitigation Operation of Cascading Dams, Including Hydropower Dams in Ohi River
		◎岡本悠希・小柴孝太・Mohamed SABER・竹門康弘・Samah KANTOUSH・角哲也 ◎Yuki OKAMOTO・Takahiro KOSHIBA・Mohamed SABER・Yasuhiro TAKEMON・Sameh KANTOUSH・Tetsuya SUMI
15:24	C203★	淀川河口域の環境改善を目的とした流域の土砂管理の研究 Improve sediment management for the Yodo River estuary environment
		◎西村昂輝・角哲也・竹門康弘 ◎Koki Nisimura・Tetsuya Sumi・Yasuhiro Takemon
15:36	C204★	Analysis of Climate Change Impacts on Vegetation Growth in the Aral Sea Basin: a casa study in Uzbekistan
		◎Xue HU・Kenji TANAKA・Temur KHUJANAZAROV・Yoshiya TOUGE
15:48	C205★	タイ国における農地水ストレスの長期解析 Long-term analysis of water stress in farmland in Thailand.
		◎松崎真里・田中賢治 ◎Masato MATSUZAKI・Kenji TANAKA
16:00	C206★	Impacts of Reservoir Operation on Streamflow in the Vu Gia Thu Bon River Basin, Vietnam
		◎Thao Thi Phuong BUI・Sameh A. KANTOUSH・TetsuyaSUMI・Duong Du BUI・Saber MOHAMED・Le Thuy Tien DU・Van Binh DOAN・Quang Binh NGUYEN
16:12	C207★	Optimization of sediment replenishment strategies based on numerical simulation, case study in the Naka River, Japan
		◎LIN JIAQI・Sameh A. KANTOUSH・Tetsuya SUMI・Yasuhiro TAKEMON
16:24	C208	Study on Seigyu Structural changes and its effectiveness in promoting geomorphological management under floods conditions
		Fujii Temma・Almamari Mahmood・Takemon Yasuhiro・Tetsuya Sumi・◎Kantoush Sameh
16:48	C209	Dynamic Changes in Distribution of Particulate Organic Matter and Benthos Communities within Seigyu-created Habitats in the Kizu River
		Yanxin HU・◎Yasuhiro TAKEMON・Sameh KANTOUSH・Tetsuya SUMI
17:00	C210	斜面垂直方向の不飽和浸透を考慮した流量流積関係式の開発 Development of a Storage Discharge Relationship to Consider Vertical Infiltration.
		◎菅原快斗・佐山敬洋 ◎Yoshito SUGAWARA・Takahiro SAYAMA
17:12	C211	土石流発生条件の違いが宅地域の氾濫特性に与える影響 Effects of Debris Flow Occurrence Conditions on Residential Area Inundation Characteristics
		◎中本英利・竹林洋史・藤田正治 ◎Hidetoshi NAKAMOTO・Hiroshi TAKEBAYASHI・Masaharu FUJITA
17:24	C212	始点位置の不確実性を考慮した確率的な土石流被害域の予測 Probabilistic Prediction of Debris-Flow Hit Considering the Uncertainty of the Source Locations
		◎山野井一輝・大石哲・川池健司 ◎Kazuki YAMANOI・Satoru OISHI・Kenji KAWAIKE
17:36	C213	坑道での宇宙線空気シャワー観測による土壌水分量の測定 Estimation of Soil Moisture Content by Measuring the Flux of Cosmic-ray Electromagnetic Showers
		◎西山竜一・武多昭道・山本圭吾・井口正人 ◎Ryuichi NISHIYAMA・Akimichi TAKETA・Keigo YAMAMOTO・Masato IGUCHI

17:48	C214	3D プリンターを用いた低価格気象観測測器の開発と検証 Development and verification of low-cost meteorological observation instruments using 3D printers
		◎ 峠嘉哉・田中賢治・Temur KHUJANAZAROV ◎ Yoshiya TOUGE・Kenji TANAKA・Temur KHUJANAZAROV
18:00	C215	数値流体計算によるドーム型風洞内の風況制御方法の検討 Investigation of a method to control wind conditions in a dome-shaped wind tunnel using CFD simulations
		◎ 竹内崇・友清衣利子・西嶋一欽 ◎ Takashi TAKEUCHI・Eriko TOMOKIYO・Kazuyoshi NISHIJIMA
18:12	C216	流起式防波堤の津波減勢効果に関する平面二次元解析を用いた検討 Evaluation of Hydro-Plane Type Tsunami Breakwater effect by horizontal two-dimensional analysis
		梶山朋香・◎ 米山望 Tomoka SUGIYAMA・◎ Nozomu YONEYAMA

特別セッション [気候変動リスク予測と適応] Special Session [Climate Change Risk Projection and Adaptation Strategies]

大気・水 (5) Atmosphere-Hydrosphere (5)

Wednesday, 22 Feb

09:00	C301	気候変動に伴うメソ降水系による豪雨ハザード変化 Changes in Heavy Rainfall Hazard due to Mesoscale Precipitating Systems under Climate Change
		◎ 竹見哲也・中 七海・Sicheng HE ◎ Tetsuya TAKEMI・Nanami NAKA・Sicheng HE
09:12	C302	MRI-AGCM 陸面スキーム差替実験 Numerical Simulations by MRI-AGCM with Different Land Surface Schemes
		◎ 萬和明・室井航輔・立川康人・田中智大・水田亮 ◎ Kazuaki YOROZU・Kousuke MUROI・Yasuto TACHIKAWA・Tomohiro TANAKA・Ryo MIZUTA
09:24	C303	気候変動と人口減少下での農業用ため池に関する考察 A Study on Agricultural Ponds under Climate Change and Population Decline
		渡部哲史 Satoshi WATANABE
09:36	C304	Assessment of Sediment Hazards in a Changing Climate Considering Atmospheric Influences: A Case Study of Rokko Mountain
		◎ Ying-Hsin WU・Yukari NAKA・Akihiko YAMAJI・Eiichi NAKAKITA
09:48	C305	気候変動の影響を反映した全国スケールの洪水リスク評価に関する基礎的検討 Investigation on Nationwide Flood Risk Assessment Under Climate Change
		◎ 佐山敬洋・Chen JIACHAO・山田真史・山本浩大・菅原快斗・山北文登 ◎ Takahiro Sayama・Chen JIACHAO・Masafumi YAMADA・Kodai YAMAMOTO・Ayato YAMAKITA
10:00	C306	Spatio-temporal impacts of climate change over Cagayan River Basin, Philippines
		◎ Khagendra P. Bharambe・Sameh A. Kantoush・Tetsuya Sumi・Mohamed Saber・Orlando Balderama
10:12	C307	Impact of Climate Change on Tropical Peat Fire Risk
		◎ Eva YAMAMOTO・Takahiro SAYAMA・Kodai YAMAMOTO
10:24	C308	地形性降雨モデルの導入とレーダー立体観測情報の活用による地上雨量推定精度の向上 Improvement of the Accuracy of Ground Rainfall Estimation Using Radar Volume Scanning

		Observations Based on the Orographic Rainfall Model
		◎中北英一・佐藤克哉・中渕遥平 ◎Eiichi NAKAKITA・Katsuya SATO Yohei NAKABUCHI
11:00	C309	メカニズム解明に向けた線状対流系過去事例群の統合的物理解析 Integrated Physical Analysis of Past Line-shaped Convective Systems for Mechanisms Investigation
		◎仲ゆかり・福田果奈・中北英一 ◎Yukari NAKA・Kana FUKUDA・Eiichi NAKAKITA
11:12	C310	2008年神戸都賀川豪雨のLES実験と風速場操作による気象制御 LES of the Guerrilla Heavy Rainfall at Toga River, Kobe, 2008 and Meteorological Control by Intervention in Wind Speed Field
		◎山口弘誠・西村太一・中北英一 ◎Kosei YAMAGUCHI・Taichi NISHIMURA・Eiichi NAKAKITA
11:24	C311	船舶搭載マイクロ波放射計による海上水蒸気量観測 Observation of Maritime Water Vapor by Shipboard Microwave Radiometer
		◎吉田聡・小松幸生・立花義裕・藤田実季子・山本雄平・川合義美・勝俣昌己・植原量行・箕輪昌裕・高島裕弥 ◎Akira KUWANO-YOSHIDA・Kosei KOMATSU・Yoshihiro TACHIBANA・Mikiko FUJITA・Yuhei YAMAMOTO・Yoshimi KAWAI・Masaki KATSUMATA・Kazuyuki UEHARA・Masahiro MINOWA・Yuya TAKASHIMA
11:36	C312	梅雨前線に発生したメソ低気圧の予報実験 Forecast experiments for a meso-scale cyclone in the Baiu frontal zone
		◎榎本剛・中下早織 ◎Takeshi ENOMOTO・Saori NAKASHITA
11:48	C313	マングローブ <i>Rhizophora stylosa</i> の耐力限界と波浪条件の関係について Limit load of wave conditions for the mangrove <i>Rhizophora stylosa</i> .
		◎森信人・Che-Wei CHANG ◎Nobuhito Mori・Che-Wei Chang
12:00	C314	複雑な幾何形状をもつ湾内の長波による水面の応答振動特性 Wave Induced Oscillations in Bays with Complex Shapes
		◎宮下卓也・森信人・志村智也 ◎Takuya MIYASHITA・Nobuhito MORI・Tomoya SHIMURA
12:12	C315	陸上地震観測網記録による2021-2022年の台風高波の解析 Analysis on Typhoon Generated Waves Based on Seismic Noise Observation on Land during 2021 to 2022
		◎志村智也・山田真澄・森信人・宮下卓也 ◎Tomoya SHIMURA・Masumi YAMADA・Nobuhito MORI・Takuya MIYASHITA
12:24	C316	台風による強風被害発生後の補修需要推定に資する屋根葺き材種別の自動判定 Automatic Determination of Roofing Material Type for Estimating Repair Demand after Strong Typhoon
		◎高橋 徹・友清 衣利子・竹内 崇・西嶋 一欽 ◎Toru TAKAHASHI・Eriko TOMOKIYO・Takashi TAKEUCHI・Kazuyoshi NISHIJIMA
12:36	C317	ステレオPTVによる雨滴追跡に関する屋外実験 Field experiment on raindrop tracking by stereo PTV
		◎栗田剛・西嶋一欽 ◎Tsuyoshi KURITA・Kazuyoshi NISHIJIMA
12:48	C318	Detailed Flood Inundation Modeling for Paddy Field Dams
		◎Shuangtao WANG・Takahiro SAYAMA・Pingping LUO

地盤 (1) Geohazards (1)

Tuesday, 21 Feb		
10:20	D101★	The Height Limit and Earth Pressure Characteristics of Benched Slopes in Centrifugal Model Tests ◎Shanzhi TAO · Thirapong PIPATPONGSA
10:32	D102★	Energy-based Characterization of an Embankment Centrifugal Model with Respect to Compaction Water Contents ◎A. Siga · T. Pipatpongsa
10:44	D103★	A Statistical Approach for Detection of the Formation of Slip Planes in a Dip Slope Using Particle Image Velocimetry ◎Pongsakorn WONGCHANA · Thirapong PIPATPONGSA
10:56	D104★	Effects of Temperature on Hydraulic and Buffering Performances of Soil-bentonite Mixture ◎Rongguang YU · Atsushi TAKAI · Tomohiro KATO · Takeshi KATSUMI
11:08	D105★	Centrifuge and Numerical Modeling of Buckling Instability of Piles During Earthquake-induced Liquefaction ◎Zhiyuan TANG · Kyohei UEDA · Ryosuke UZUOKA

地盤 (2) Geohazards (2)

Tuesday, 21 Feb		
15:00	D201★	The Effect of Particle Shape on the Shear Behavior: Results of Tests on Rice Particles and Implication for High-mobility of Rock Avalanche ◎Shengshan WU · Gonghui WANG
15:12	D202★	Development of Micro-fractures within Shear Zone Revealed by X-ray Micro-CT Scan: Examples from Rock Halite in Ring-shear Experiments ◎Bingcheng LIU · Shengshan WU · Gonghui WANG
15:24	D203	Different Acoustic Emissions Source from the Evolution of Granular Stick-slip Events ◎Yao JIANG · Ziming Liu · Gonghui WANG
15:36	D204	トウジ山における地震時挙動の観測 Seismic observations at Toujiyama, Shikoku, Japan ◎荒井紀之 · 山崎新太郎 · 土井一生 ◎Noriyuki ARAI · Shintarou YAMASAKI · Issei DOI
15:48	D205	北海道釧路町の海岸地すべりにおける稠密地震観測 Dense Seismic Observation in a Seashore Landslide in Kushiro Town, Hokkaido ◎土井一生 · 松浦純生 · 大澤光 · 岡本隆 · 柴崎達也 · 土佐信一 ◎Issei DOI · Sumio MATSUURA · Hikaru OSAWA · Takashi OKAMOTO · Tatsuya SHIBASAKI · Shinichi TOSA
16:00	D206	四国中央部における結晶片岩の地すべり・深層崩壊の地質学的背景 Geological condition of deep-seated landslides in crystalline schist area, central Shikoku 山崎新太郎 Shintaro YAMASAKI
16:12	D207	地すべりのせん断強度に影響を及ぼす間隙水の異常流体圧と塩分濃度 Anomalous fluid pressure and salinity of pore water affecting shear strength of landslides

		◎渡部直喜・佐藤壽則・西山成哲・古谷元・王功輝・千木良雅弘 ◎Naoki WATANABE・Hisanori SATO・Nariaki NISHIYAMA・Gen FURUYA・Gonghui WANG・Masahiro CHIGIRA
16:24	D208	地下水の押し出し流に関するモデル実験 Model Experiments on Piston Flow of Groundwater
		◎古谷元・幅下大地・Thanda WIN・王功輝・末峯章 ◎Gen FURUYA・Daichi HABASHITA・Thanda WIN・Gonghui WANG・Akira SUEMINE
16:48	D209	2018年北海道胆振東部地震時に発生した大規模岩盤地すべりについて A large-scale bedrock landslide triggered by the 2018 Hokkaido Eastern Iburi Earthquake
		◎王功輝・巫昇山・古谷元・渡部直喜 ◎Gonghui WANG・Shengshan WU・Naoki WATANABE・Gen FURUYA
17:00	D210	地震および豪雨による斜面災害発生個所の事前予測方法の統合 Integration of prediction methods for initiation points of geohazards by earthquakes and intense rainfalls.
		齊藤隆志 Takashi SAITO
17:12	D211★	花崗岩山地の隣接源流域における土層発達および降雨流出過程の比較研究 Comparative study on soil development and storm runoff processes in adjacent granitic headwaters
		◎馬場俊明・松四雄騎・渡壁卓磨 ◎Toshiaki BABA・Yuki MATSUSHI・Takuma WATAKABE
17:24	D212★	Topographic Responses Against to Tectonic Forcing in Active Orogenic Belts: Derived From 10Be and Landscape Analysis in East Margin of Tibet Plateau
		◎Jiajun PENG・Yuki MATSUSHI・Hiroyuki MATSUZAKI
17:36	D213	地表近傍境界域のモデル化の現状と流域デジタルツインの構築における課題 Current status of subsurface critical zone modeling and future task in establishing a digital twin of a mountainous watershed
		松四雄騎 Yuki Matsushi

総合防災 (1) Integrated Arts and Sciences for Disaster Reduction (1)

Tuesday, 21 Feb		
10:20	E101	原子力発電所の重大事故発生確率の簡単な見積もり A simple estimate of the probability of a grave accident of nuclear power plants 深畑幸俊 Yukitoshi FUKAHATA
10:32	E102★	統合型水害シミュレータを用いた既往水害の分析と将来の水害予測に向けた適用 Estimation to flood events using integrated flood simulator for future flood risk analysis ◎平子遼・多々納裕一 ◎Ryo HIRAKO・Hirokazu TATANO
10:44	E103	Evaluation of the Effect of Food Risk Map on Shiga Ken's Land Market ◎Xiaoyi ZHAO・Hirokazu TATANO
10:56	E104	「災害取材映像」の防災啓発効果と最適な映像の選択 Awareness-raising effect of "Disaster Coverage Video" and selecting the best footage. ◎木戸崇之・岡田夏実・矢守克也 ◎Takayuki KIDO・Natsumi OKADA・Katsuya YAMORI
11:08	E105	築堤にまつわる妖怪伝承にみる土木技術者についての民俗研究 A study on civil engineers in the folklore of yokai associated with embankments. 中尾聡史 Satoshi・NAKAO
11:20	E106	避難行動モデル評価プラットフォームの提案 A Proposal of an Evaluation Platform for Human Evacuation Behavior Models ◎畑山満則・伊藤達彦・廣井慧 ◎Michinori Hatayama・Tatsuhiko Ito・Kei Hiroi
11:32	E107	メキシコにおける学際研究の社会実装－二項関係から三項関係へ－ Social Implementation of Interdisciplinary Research in Mexico: From Binary to Ternary Relationships ◎中野元太・矢守克也 ◎Genta NAKANO・Katsuya YAMORI

総合防災 (2) Integrated Arts and Sciences for Disaster Reduction (2)

Tuesday, 21 Feb		
15:00	E201	オーケストレータ機構による防災シミュレーション連携技術の開発 Federation of Disaster Prevention Simulation using Orchestrator Framework ◎廣井慧・小比賀亮仁・篠田陽一 ◎Kei Hiroi・Akihiko Kohiga・Yoichi Shinoda
15:12	E202	小学校での防災教育実践における主体性の構築をめざした対話的評価手法の開発に関する研究 A Study on the Development of Interactive Evaluation Methods for Developing Active Attitude in School Disaster Education ◎岡田夏実・矢守克也 ◎Natsumi OKADA・Katsuya YAMORI
15:24	E203★	公共インフラの応急復旧における官民の組織形態に関する分析 Analysis of Organizational Forms of Public-Private Partnerships in Disaster Emergency Response of Public Infrastructures ◎和田好世・大西正光

		◎Kosuke WADA・Masamitsu ONISHI
15:36	E204	Theoretical and Practical Considerations in the Creation of a Disaster Risk Reduction Educational Strategy for Basic Education Level: Mexico City Study Case. ◎Rodrigo GARIBAY・Katsuya YAMORI・Genta NAKANO・Jorge ORTIZ・Rafael MARIN・Paola AVILA・Sergio SAGAHON・Rene FRANCO・Renee PERALTA
15:48	E205★	Proposal of a Methodology for Downtime Assessment of Natech Accidents in Chemical Industrial Parks ◎Peiyin JIANG・Ana Maria CRUZ
16:00	E206	Barriers and Facilitators for Managers Adopting Protective Measures on Chemical Supply Chains to Deal With Flood-Related Natech Threats ◎Namulun BORJIGIN・Ana Maria CRUZ・Lina Maria Parra ORDUZ
16:12	E207	Accident Survey of Heavy Rainfall Induced Landslide-triggered Events on Oil and Gas Pipelines in Colombia ◎Lina Maria Parra ORDUZ・Ana Maria CRUZ Naranjo
16:24	E208★	映像解析を用いた災害対応における建物被害把握システムの開発 Development of estimation system for damage building in disaster response using video analysis ◎藤田翔乃・畑山満則 ◎Shono FUJITA・Michinori HATAYAMA
16:48	E209	降水短時間予報と降雨流出氾濫モデルを用いた避難判断のための水位の予測可能性について Predictability of water level for effective evacuation using short-term precipitation forecast data and rainfall-runoff-inundation model ◎山本浩大・佐山敬洋・山路昭彦・西尾慧・上田穰・市原隆 ◎Kodai Yamamoto・Takahiro Sayama・Kei Nishio・Minoru Ueda・Takashi Ichihara
17:00	E210	建物被害調査画像管理の一元化を可能とする建物自動分類システムの構築 Development of automated building classification system for images on damaged buildings in disaster survey ◎中嶋唯貴・富永佳吾・友清 衣利子・西嶋一欽 ◎Tadayoshi NAKASHIMA・Keigo TOMINAGA・Eriko TOMOKIYO・Kazuyoshi NISHIJIMA

大気・水 (6) Atmosphere-Hydrosphere (6)

Wednesday, 22 Feb

09:00	E301	地震津波研究ユニットにおける令和4年度の研究成果について Research Output of Joint Research Unit for Tsunami Hazard in 2022 平石哲也 Tetsuya Hiraishi
09:12	E302	海洋表面波が引き起こす乱流の観測 Observational Study on Turbulence induced by Ocean Surface Waves ◎吉川裕・馬場康之・久保輝広・本田卓也・今村春香・吉川浩一郎 ◎Yutaka YOSHIKAWA・Yasuyuki BABA・Teruhiro KUBO・Takuya HONDA・Haruka IMAMURA・Kouichiro KIKKAWA
09:24	E303	田辺中島高潮観測塔における微粒子の連続観測 Continuous Measurement of Airborne Particle at Tanabe-Nakashima Observation Tower ◎馬場康之・久保輝広・二宮順一・森 信人・志村智也・宮下卓也・渡部靖憲・山田朋人・猿渡亜由未・内山雄介・大塚淳一・新井田靖郎 ◎Yasuyuki BABA・Teruhiro KUBO・Junichi NINOMIYA・Nobuhito MORI・Tomoya SHIMURA・Takuya MIYASHITA・Yasunori WATANABE・Tomohito YAMADA・Ayumi SARUWATARI・Yusuke UCHIYAMA・

		Junichi OTSUKA · Yasuo NIIDA
09:36	E304	沈木の流下特性に関する実験的研究 Experimental Study on Motion Characteristics of Submerged Wood Traveling Downstream
		◎山上路生 · 吳許劍 · 角哲也 ◎Michio SANJOU · Xujian WU · Tetsuya SUMI
09:48	E305	世界の主要流域の水文環境の歴史的変遷 Historical Changes of Hydrological Environments of World's Major Basin
		◎田中賢治 · 稲垣智也 ◎Kenji TANAKA · Tomoya INAGAKI
10:00	E306	日本の冬季降水量の定量評価と検証 Quantitative Assessment of Japanese Winter Precipitation and Its Validation
		◎谷田貝亜紀代 · 増田南波 · 田中賢治 · 山口悟 · 橋本真諭 ◎Akiyo YATAGAI · Minami MASUDA · Kenji TANAKA · Satoru YAMAGUCHI · Masato HASHIMOTO
10:12	E307	中国温州市楠瓠江の礫床区間、感潮区間、河口における水質、底質、底生動物からの生態系健全性評価 Evaluating ecosystem health based on water, sediment quality, and benthic invertebrates in the gravel-bed, tidal reaches, and river mouth of Nan-Ou River, Wenzhou, China
		郝愛民 · ◎小林草平 · 井芹寧 · 陳凱 · 角哲也 · 竹門康弘 · 渡邊紹裕 Aimin HAO · ◎Sohei KOBAYASHI · Yasushi ISERI · Kai CHEN · Tetsuya SUMI · Yasuhiro TAKEMON · Tsugihiro WATANABE
10:24	E308	長時間アンサンブル降雨予測を用いた多目的ダムの後期放流操作に関する検討 A study on post flood release operation for multi-purpose dams using long-term ensemble rainfall prediction
		◎角哲也 · 西琴江 · Sameh Kantoush · 竹門康弘 ◎Tetsuya SUMI · Kotoe NISHI · Sameh KANTOUSH · Yasuhiro TAKEMON
10:48	E309	Establishing Network focusing on Flash Flood Disaster: Comparison between MENA and Asia
		Kantoush SAMEH
11:00	E310	Impact of Sedimentation of Recharge Dams on Water Resources Management: overview from Oman
		◎Ali Al-Maktoumi · Anvar Kacimov · Hamed Al-Busaidi · Said Al-Ismaily · Sameh A. Kantoush · Mohamed Saber
11:12	E311	Assessment of Sediment Transport and Sedimentation in a Dry Environment, Oman
		◎Al-Mamari Mahmood · Sameh A. Kantoush · Mohamed Saber · Tetsuya Sumi
11:24	E313	Integrated water and flood management in the Cagayan river basin in the Philippines
		Lanie Alejandro-Alejo
11:36	E314	Rapid Flood Assessment for Central Vietnam
		◎Pham Hong Nga · Thuy Loi
11:48	E315	Assessment of Dam Impacts on Flow, Sediment, and Morphology of the Sai Gon-Dong Nai River Basin, Vietnam
		◎Doan Van Binh · Nguyen Luyen Phuong Doan · Le Van Quyen · Luc Anh Tuan · Nguyen Quang Binh · Sameh A. Kantoush · Le Manh Hung · Tetsuya Sumi
12:00	E316	Machine Learning for Predicating Flood Inundation in Comparison with Hydrological Models
		◎Mohamed SABER · Sameh KANTOUSH · Tayeb BOULMAIZ · Karim ABDRAO · Tetsuya SUMI · Hamouda BOUTAGHANE · Doan Van BINH · Binh Quang NGUYEN · Thao T. P. BUI · Ngoc Duong VO · Emad MABROUK

発表ポスターリスト / List of Poster Presentation

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P01★	日本の地殻内地震活動と歪速度の時空間的相関関係 Temporal and Spatial Correlation of Strain Rate and Crustal Seismicity in Japan ◎上田拓・西村卓也 ◎Taku UEDA・Takuya NISHIMURA
P02	Attempts to Improve Understanding and Forecasts of Slow and Fast Earthquakes ◎Tomoaki NISHIKAWA・Satoshi IDE・Takuya NISHIMURA
P03★	地震時の摩擦発熱に伴う断層帯での化学反応を考慮した変形集中帯の移動に関する数値実験 Numerical experiments on migration of a localized deformation zone by considering chemical reactions in a fault zone caused from frictional heating during seismic slip ◎金木俊也・野田博之 ◎Shunya KANEKI・Hiroyuki NODA
P04	Comparing Slab Curvature Effects on Deep Slow Slip Events ◎Emmanuel Soliman M. GARCIA・Yoshihiro ITO
P05★	日向灘海底地震観測記録から得られる自己相関関数の時空間的特徴 Ambient-noise auto correlation function at Hyuga-nada ◎佐脇泰典・山下裕亮・大柳修慧・Emmanuel Soliman M. GARCIA・篠原雅尚・伊藤喜宏 ◎Yasunori SAWAKI・Yusuke YAMASHITA・Shukei OHYANAGI・Emmanuel Soliman M. GARCIA・Masanao SHINOHARA・Yoshihiro ITO
P06	地殻深部反射面の時間変化について Temporal changes of the seismic reflector in the lower crust ◎片尾浩・加藤慎也・飯尾能久 ◎Hiroshi KATAO・Shinya KATOH・Yoshihisa IIO
P07★	海底圧力計と陸上 GNSS を用いたヒクラング及び南海沈み込み帯浅部におけるスロースリップイベントの検知能力 Detectability of slow slip event in shallow portion of the Hikurangi and Nankai subduction zone using ocean bottom pressure gauges and land GNSS ◎井上智裕・伊藤喜宏 ◎Tomohiro INOUE・Yoshihiro ITO
P08	精密水準測量による桜島火山の地盤上下変動（2022 年 11 月測量の結果） Vertical Ground Deformation of Sakurajima Volcano Measured by Precise Leveling Survey (Results of the November 2022 Survey) ◎山本圭吾・松島健・吉川慎・内田和也・井上寛之・園田忠臣・竹中悠亮・岡田和見・大柳諒・上土井歩佳・野辰之介・河野太亮・塚口正臣・満永大輔・田町勇氣・井上温史・西條祥・久保武史・大倉敬宏 ◎Keigo YAMAMOTO・Takeshi MATSUSHIMA・Shin YOSHIKAWA・Kazunari UCHIDA・Hiroyuki INOUE・Tadaomi SONODA・Yuusuke TAKENAKA・Kazumi OKADA・Ryo OYANAGI・Ayuka JYODOI・Tatsunosuke SHIMENO・Taisuke KOUNO・Masaomi TSUKAGUCHI・Daisuke MITSUNAGA・Yuki TAMACHI・Atsushi INOUE・Akira NISHIJO・Takeshi KUBO・Takahiro OHKURA
P09	飛騨山脈南部における震度観測ネットワークの構築の実現可能性の研究 Feasibility Study of Constructing a Seismic Intensity Network in the Hida Mountain Region ◎大見士朗・松田俊彦・加藤銀次郎・山田直・栗澤徹・竹腰藤年・齋藤武士・宮田秀介・山田真澄 ◎Shiro OHMI・Toshihiko MATSUDA・Ginjiro KATO・Tadashi YAMADA・Toru AWAZAWA・Fujitoshi TAKEGOSHI・Takeshi SAITO・Shusuke MIYATA・Masumi YAMADA

P10★	京都大学宇治構内地震観測システムに観測された地震波の回転成分に関する研究 Rotational Ground Motion of Seismic Waves Synthesized by the Earthquake Observation System in Uji Campus, Kyoto University
	◎周宇廷・松島信一・長嶋史明・岩田知孝・浅野公之 ◎Yuting CHOU, Shiinichi MATSUSHIMA, Fumiaki NAGASHIMA, Tomotaka IWATA, Kimiyuki ASANO
P11	2016年熊本地震の弱震動および強震動ブラインド予測結果のGOF分析への適用 Application of blind prediction results for weak and strong ground motions of the 2016 Kumamoto earthquake to goodness-of-fit analysis
	◎津野靖士・山中浩明・長嶋史明・川瀬博・松島信一 ◎Seiji Tsuno・Hiroaki Yamanaka・Fumiaki Nagashima・Hiroshi Kawase・Shinichi Matsushima
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	◎Atikul Haque FARAZI・Yoshihiro ITO・José PIÑA-FLORES・Emmanuel Soliman M. GARCIA・Shukei OHYANAGI
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	◎Thinzar YADANAR・Yuting CHOU・Sayo NISHIYAMA・Takashi HIRAI・Masafumi MORI・Fumiaki NAGASHIMA・Shinichi MATSUSHIMA
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	◎Loi Huy DOAN・Kyohei UEDA・Ryosuke UZUOKA
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	◎Chengrui CHANG・Hiroyuki NODA・Yohei HAMADA・Gonghui WANG・Chao HUANG・Tetsuo YAMAGUCHI
P17	Thermoelastic Instability on a Frictional Surface and Its Implication for Size Effect in Friction Experiments
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	◎齋藤溪太・後藤浩之 ◎Keita SAITO・Hiroyuki GOTO
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	◎Chao HUANG・Gonghui WANG
P20★	土の弾塑性挙動を考慮した半地下構造物に作用する地震時土圧 Seismic earth pressure acting on semi-underground structures considering elastoplastic behavior of soil
	◎森元康・後藤浩之・栗間淳・澤田純男・五十嵐徹 ◎Motoyasu MORI・Hiroyuki GOTO・Jun KURIMA・Sumio SAWADA・Toru IGARASHI
P21★	表層崩壊発生深度予測に向けたソイルクリープによる土層分化過程の解明 Soil Differentiation Process by Soil Creep for Predicting the Depth of Sliding Surface
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P25	2度上昇・4度上昇の気候変化に対する2018年台風21号(Jebi)の上陸直前の強度・構造の応答 Response of Intensity and Structure of Typhoon Jebi (2018) before Landfall to the 2-K- and 4-K-Warming Climate in Downscaling Pseudo-Global Warming Experiments ◎藤原圭太・竹見哲也・森信人 ◎Keita FUJIWARA・Tetsuya TAKEMI・Nobuhito MORI
P26	発表取り下げ
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P31★	Evaluation Performance of Various Gridded Precipitation Datasets over Flood Inundation under Climate Change ◎Guek Leang HAK・Kenji TANAKA・Sopha TRY
P32★	土石流被害領域の確率的予測に向けた土砂生産量の統計的予測モデル構築 Statistic Prediction of Sediment Yield Volume by Debris Flow for Probabilistic Damage-Area Prediction ◎鹿倉佳央梨・山野井一輝・川池健司・小柴孝太 ◎Kaori SHIKAKURA・Kazuki YAMANOI・Kenji KAWAIKE・Takahiro KOSHIBA

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