

## FY 2017 ITIL

No.	Category	Authors	Title	Journal / Book	Publisher / ISBN	Date	Vol & Pages	Others (Venue)
1	Academic Journal	Yasushi Tanaka, Koichi Maekawa, Takuya Maeshima, Ichiro Iwaki, Takahiro Nishida, and Tomoki Shiotani	Data Assimilation for Fatigue Life Assessment of RC Bridge Decks Coupled with Path-Integral-Mechanistic Model and Non-Destructive Inspection	Journal of Disaster Research Vol.12No.3 Jun. 2017	FUJI TECHNOLOGY PRESS LTD.	Feb 17 2017	pp.422-431	Paper
2	Academic Journal	Takashi Yamamoto, Satoshi Takaya, and Toyo Miyagawa	Influence of Corrosion Distribution on Estimation of Flexural Loading Capacity of Corroded RC Beams	Journal of Disaster Research Vol.12No.3 Jun. 2017	FUJI TECHNOLOGY PRESS LTD.	Feb 17 2017	pp.478-486	Paper
3	Academic Journal	Tomoki Shiotani, Hisafumi Asaue, Takahiro Nishida, Takuya Maeshima, and Yasushi Tanaka	Evolution of Fatigue Damage in Wheel-Loading Tests Evaluated by 3D Elastic-Wave Tomography	Journal of Disaster Research Vol.12No.3 Jun. 2017	FUJI TECHNOLOGY PRESS LTD.	Feb 17 2017	pp.487-495	Paper
4	Academic Journal	Katsufumi Hashimoto, Tomoki Shiotani, Takahiro Nishida, and Toyoaki Miyagawa	Application of Elastic-Wave Tomography to Repair Inspection in Deteriorated Concrete Structures	Journal of Disaster Research Vol.12No.3 Jun. 2017	FUJI TECHNOLOGY PRESS LTD.	Feb 17 2017	pp.496-505	Paper
5	International Conference	Tomoki Shiotani	Visualization of Fracture Process For RC Slabs Subject To Mobile Loads By Means Of Acoustic Approaches	14th International Conference on Fracture (ICF14)	ISBN: 978-1-53611-848-3	June 18-23, 2017	—	Proceedings (Rhodes, Greece)
6	lecture presentation	K. Hashimoto, T. Shiotani, T. Nishida R. Kawase, Y. Ushiwatari, M. Sakou	Development of Autonomous Hammering Test Method for Deteriorated Concrete Structures	アコースティック・エミッション部門 講演会資料	The Japanese Society for Non-Destructive Inspection (JANDI)	July 3 2017	pp.1-6	paper (Tokyo: Japan)
7	lecture presentation	K. Watabe, H Takamine, H. Miyata, T. Nishida, T. Shiotani	Non-destructive technique of damage detection for road-bridge decks utilizing acoustic emission	アコースティック・エミッション部門 講演会資料	The Japanese Society for Non-Destructive Inspection (JANDI)	July 3 2017	pp.7-12	paper (Tokyo : Japan)
8	Academic Journal	Takahiro Nishida, Tomoki Shiotani, Hisafumi Asaue, Takuya Maejima, Yoshikazu Kobayashi	Damage Evaluation of RC Bridge Deck under Wheel Loading Test by Means of AE Tomography	JOURNAL OF ACOUSTIC EMISSION 2017 Volume34	Acoustic Emission Group, Encino, CA USA	July 5 2017	S26-S31	Selected Paper
9	Academic Journal	Clément Granier, Tomoki Shiotani, Katsufumi Hashimoto, Takahiro Nishida	Visualization of internal damage in RC slab with single side access attenuation tomography	JOURNAL OF ACOUSTIC EMISSION 2017 Volume34	Acoustic Emission Group, Encino, CA USA	July 5 2017	S54-S58	Selected Paper
10	International Conference	Tomoki Shiotani, Takahiro Nishida, Hisafumi Asaue, Katsufumi Hashimoto, Shigeru Kayano, Yasushi Tanaka, Takuya Maeshima and Yoshikazu Kobayashi	Advanced NDT Contributing Performance Evaluation of Civil Structures	12th World Congress on Engineering Asset Management & 13th International Conference on Vibration Engineering and Technology of Machinery	International Society of Engineering Asset Management (ISEAM)	Aug 2-4 2017	—	Proceedings (Brisbane, Australia)
11	International Conference	Katsufumi Hashimoto, Tomoki Shiotani, Takahiro Nishida, Hideo Kumagai, Katsuhiko Kokubo	Development of Autonomous Hammering Test Method for Deteriorated Concrete Structures based on Artificial Intelligence and 3D Positioning System	12th World Congress on Engineering Asset Management & 13th International Conference on Vibration Engineering and Technology of Machinery	International Society of Engineering Asset Management (ISEAM)	Aug 2-4 2017	—	Proceedings (Brisbane, Australia)
12	International Conference	Norihiko Ogura, Hitoshi Yatsumoto, Takahiro Nishida, Tomoki Shiotani	Efficient Evaluation of Internal Concrete Damage of Steel Plate-bonded RC Slabs	12th World Congress on Engineering Asset Management & 13th International Conference on Vibration Engineering and Technology of Machinery	International Society of Engineering Asset Management (ISEAM)	Aug 2-4 2017	—	Proceedings (Brisbane, Australia)
13	International Conference	Kazuo Watabe, Hidefumi Takamine, Takahiro Nishida and Tomoki Shiotani	Novel nondestructive technique of internal deterioration in concrete deck with elastic wave approaches	12th World Congress on Engineering Asset Management & 13th International Conference on Vibration Engineering and Technology of Machinery	International Society of Engineering Asset Management (ISEAM)	Aug 2-4 2017	—	Proceedings (Brisbane, Australia)
14	International Conference	Tomoki Shiotani, Katsufumi Hashimoto, Takahiro Nishida, Hisafumi Asaue, Shigeru Kayano, Yoshikazu Kobayashi	Cutting-edge NDTs contributing assessment of civil infrastructures	2nd International RILEM/COST Conference on Early Age Cracking and Serviceability in Cement-based Materials and Structures (EAC2)	ISBN Volume 1 & 2 978-2-35158-197-1 e-ISBN Volume 1 & 2 978-2-35158-198-8 2017 Edition	Sep 12-14 2017	pp.93-100	Proceedings (Brussels, Belgium)
15	International Conference	Takahiro Nishida, Tomoki Shiotani, Katsufumi Hashimoto, Hisafumi Asaue, Yoshikazu Kobayashi, Jyunich Kagawa	Repair Inspection in Deteriorated Concrete Member by Means of Elastic Wave Tomography	2nd International RILEM/COST Conference on Early Age Cracking and Serviceability in Cement-based Materials and Structures (EAC2)	ISBN Volume 1 & 2 978-2-35158-197-1 e-ISBN Volume 1 & 2 978-2-35158-198-8 2017 Edition	Sep 12-14 2017	pp.101-106	Proceedings (Brussels, Belgium)
16	International Conference	Yoshikazu Kobayashi, Kenichi Oda, Yuma Tamura, Takaaki Fuse, Tomoki Shiotani	Source location algorithm with controlled resolution based on raytrace technique	2nd International RILEM/COST Conference on Early Age Cracking and Serviceability in Cement-based Materials and Structures (EAC2)	ISBN Volume 1 & 2 978-2-35158-197-1 e-ISBN Volume 1 & 2 978-2-35158-198-8 2017 Edition	Sep 12-14 2017	pp.161-166	Proceedings (Brussels: Belgium)
17	International Conference	T. Shiotani, T. Nishida, H. Asaue, K. Hashimoto, H. Takamine, K. Watabe, M. Fukuda	Identification of Macroscopic Lateral Damages in RC Slabs with Rainy Induced Elastic Wave Activity	The 14th International Conference of the Slovenian Society for Non-Destructive Testing	ISBN 978-961-93537-3-8	2017.9.4-6	pp.263-270	Proceedings (Ljubljana: Slovenia)
18	International Conference	Katsufumi Hashimoto, Tomoki Shiotani, Takahiro Nishida, Hisafumi Asaue, Shigeru Kayano	Damage Evaluation on Steel Plate Reinforced RC Slabs with One-side Access AE Tomography Via Anchor Bolts	The 11th International Workshop on Structural Health Monitoring	ISBN No.978-1-60595-330-4	2017.9.12-14	pp.188-196	Proceedings (California: USA)
19	Domestic Conference	Katsufumi Hashimoto, Tomoki Shiotani, Yoshikazu Kobayashi, Takahironisida	Consideration on Accuracy of AE Source Location and Wave Velocity Distribution in AE Tomography	JSNDI Fall Conference 2017	The Japan Society for Non-Destructive Inspection	Oct 06-07 2017	pp.211-212	Paper (Fukuoka)
20	Domestic Conference	Hisafumi Asaue, Tomoki Shiotani, Takahiro Nishida, Katsufumi Hashimoto, Yoshikazu Kobayashi, Shigeru Kayano	Damage Evaluation of Steel Plate Reinforced RC Slabs by AE Tomography Technique with Accelerometers	JSNDI Fall Conference 2017	The Japan Society for Non-Destructive Inspection	Oct 06-07 2017	pp.213-214	Paper (Fukuoka)
21	Domestic Conference	Riku Murakami, Tomoki Shiotani, Hisafumi Asaue, Katsufumi Hashimoto, Yoshikazu Kobayashi	Damage Evaluation for RC Girder Joint with AE Tomography	JSNDI Fall Conference 2017	The Japan Society for Non-Destructive Inspection	Oct 06-07 2017	pp.215-216	Paper (Fukuoka)
22	Domestic Conference	Hiroshi Nakayama, Tomoki Shiotani, Takahiro Nishida, Katsufumi Hashimoto	Experimental study on Detection of Aggregation in RC Bridge Decks Based on AE activities	JSNDI Fall Conference 2017	The Japan Society for Non-Destructive Inspection	Oct 06-07 2017	pp.217-218	Paper (Fukuoka)
23	International Conference	Feng Yiming, Tomoki Shiotani, Yoshikazu Kobayashi, Takahiro Nishida, Hisafumi Asaue, Katsufumi Hashimoto, Shigeru Kayano	Evaluation of Damage in RC Bridge Decks Reinforced with Steel Plates by AE Tomography	World Conference on Acoustic Emission 2017 (WCAE)	Chinese Society for Non-destructive Testing China Special Equipment Inspection and Research Institute	Oct 10-13 2017	p.15	Abstract (Shanxi: China)
24	International Conference	Tomoki Shiotani, Clement Granier, Katsufumi Hashimoto	Damage Quantification Using Improved b-value for Concrete Slabs	World Conference on Acoustic Emission 2017 (WCAE)	Chinese Society for Non-destructive Testing China Special Equipment Inspection and Research Institute	Oct 10-13 2017	p.51	Abstract (Shanxi: China)
25	International Conference	Hisafumi Asaue, Tomoki Shiotani, Takahiro Nishida, Katsufumi Hashimoto	Two-Dimensional Source Location of Acoustic Emission by Means of AI	World Conference on Acoustic Emission 2017 (WCAE)	Chinese Society for Non-destructive Testing China Special Equipment Inspection and Research Institute	Oct 10-13 2017	p.57	Abstract (Shanxi: China)
26	Domestic Conference	Katsufumi Hashimoto, Shigeru Kayano, Takahiro Nishida, Hisafumi Asaue, Tomoki Shiotani	Damage Evaluation on Steel Plate Reinforced RC Slabs by means of AE Tomography and AE Detection with Accelerometer	Proceedings of the Concrete Structure Scenarios, JSMS Vol.17	The Society of Materials Science, Japan	Oct 10-13 2017	pp.279-284	Proceedings (Kyoto)
27	Domestic Conference	Shigeru Kayano, Tomoki Shiotani, Takahiro Nishida, Katsufumi Hashimoto, Toyoaki Miyagawa	Application of AE Tomography for Evaluating Damage in Steel Plate Reinforced RC Slabs	Proceedings of the Concrete Structure Scenarios, JSMS Vol.17	The Society of Materials Science, Japan	Oct 10-13 2017	pp.291-296	Proceedings (Kyoto)
28	Domestic Conference	Hisafumi Asaue, Tomoki Shiotani, Katsufumi Hashimoto, Shigeru Kayano	Development of AE Acquisition using Accelerometer System in-situ RC slab	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.25-28	Paper (Tokushima)
29	Domestic Conference	Kohei Nishiyama, Takeshi Watanabe, Chikanori Hashimoto, Keisuke Ishimaru, Tomoki Shiotani	Evaluation of Micro-cracking and Air Permeability of Copper Slag Concrete due to Drying Shrinkage	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.29-32	Paper (Tokushima)
30	Domestic Conference	Shigeru Kayano, Tomoki Shiotani, Takahiro Nishida, Hisafumi Asaue, Katsufumi Hashimoto, Toyoaki Miyagawa	Application of AE Tomography for Evaluating Damage in Steel Plate Reinforced RC Slabs	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.61-64	Paper (Tokushima)
31	Domestic Conference	Katsufumi Hashimoto, Tomoki Shiotani, Yoshikazu Kobayashi, Asaue, Katsufumi	Influence of ray path on elastic wave velocity distribution with AE tomography analysis	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.89-92	Paper (Tokushima)
32	Domestic Conference	Nobuhiro Okude, Takahiro Nishida, Hisafumi Asaue, Tomoki Shiotani, Toshinori Yasuzato	Study for damage evaluation of reinforced concrete slab with AE tomography	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.93-96	Paper (Tokushima)
33	Domestic Conference	Kazuya Tsuchihashi, Tomoki Shiotani, Takahiro Nishida, Hisafumi Asaue, Katsufumi Hashimoto, Shigeru Kayano	Evaluation of ASR degraded concrete structure by elastic wave tomography	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.97-100	Paper (Tokushima)
34	Domestic Conference	Shigeyuki Nagase, Tomoki Shiotani, Hisafumi Asaue, Takahiro Nishida, Katsufumi Hashimoto	Evaluation for Grout Filling of Post-tensioned Concrete by Quality Factor	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.121-124	Paper (Tokushima)
35	Domestic Conference	Takahiro Nishida, Tomoki Shiotani, Hisafumi Asaue, Kazuo Watabe	Evaluation of initial condition of renewed PC deck in highway by means of AE tomography	2017 National Conference on Acoustic Emission	The Japan Society for Non-Destructive Inspection	Nov 9-10 2017	pp.121-124	Paper (Tokushima)