

"Materials Intergration" for Revolutionary Design System of Structural Materials

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Domain A (Inverse Design MI)

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A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C4	C5
Inverse Design Approach	Processing Design	Atoms and Molecules-Structure	MI Integrated System	Structural Materials DB	Multi-Functional CFRP	AI-AFP	Thin-Layer CFRP	Ni Additive Manufacturing	Ni Powder Forging	TiAl Powder Manufacturing	CMC
Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders	Co-Leaders
Enoki (UTokyo) Kazama (JFE Steel)	Watanabe (NIMS) Iwasaki (KHI)	Okabe (Tohoku U.) Ito (TORAY)	Minamoto (NIMS) Inoue (UTokyo)	Demura (NIMS) Ashino (Toyo U.) Okazaki (Kobe Steel)	Yoshioka (TORAY) Okabe (Tohoku U.)	Abe (MHI) Nakamura (JAXA)	Uchiyama (SUBARU) Nakamura (JAXA)	Iwasaki (KHI) Nakano (Osaka U.)	Imano (MHI) Osada (NIMS)	Takeyama (TIT) Fukushima(MHIAEL)	Kagawa (TUT) Shichijo (TUT) Sekigawa (MHIAEL{MHI})
Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations	Participating organizations
(10 organizations)	(11 organizations)	(10 organizations)	(2 organizations)	(9 organizations)	(7 organizations)	(10 organizations)	(6 organizations)	(3 organizations)	(9 organizations)	(5 organizations)	(6 organizations)
UTokyo JFE Steel Kobe Steel IHI UACJ NISSAN Showa Denko NII Teikyo U. NIMS	NIMS KHI Osaka U. Tohoku U. U. Hyogo Nagoya U. Kyushu U. Kobe Steel UTokyo Gifu U. Osaka Titanium Tech.	Tohoku U. SUBARU UTokyo JAXA Keio U. Nagoya U. NIMS Tokyo U. of Science Sophia U.	NIMS UTokyo	NIMS Toyo U. Kobe Steel RIKEN Kansai U. Tohoku U. JFE Steel IHI UACJ	TORAY Tohoku U. U. Hyogo Kyoto U. KIT NIMS NEC	MHI JAXA KEK Kobe U. Nagoya U. Kyushu U. UTokyo Hokkaido U. Osaka Metropolitan U. Shinshu U.	SUBARU JAXA Industrial Tech. Center of Fukui Pref. Tokyo U. of A&T UTokyo Tokyo U. of Science	KHI Osaka U. NIMS	MHI NIMS HONDA MHIAEL Hokkaido U. Tohoku U. JAXA IHI KHI	TIT MHIAEL Kobe Steel Osaka Yakin Kogyo Osaka U.	TUT MHIAEL IHI KHI UTokyo JAXA