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Takashige Omatsu (B.S. (1983), Ph.D. (1992) from the University of Tokyo) is a professor of nano-science division of a faculty of engineering in Chiba University. His research interests cover a variety of areas, such as nonlinear optics, solid-state and fiber lasers, singular optics, and super-resolution spectroscopy. Recent work has focused on chiral control of nano-structures by angular momentum of light. Such chiral nano-structures will potentially provide a new scientific aspect to metamaterials, plasmonics, and silicon photonics, and they might also enable us to develop nanoscale imaging systems with chiral selectivity.

He has already published >100 refereed journal articles, and he has performed >20 invited presentations of major international conferences, including CLEO, CLEO Pacific-Rim, CLEO Europe, LEOS, and ICALEO meetings.

He has been appointed as an Associate Editor of Optics Express during 2006-2012. He is also on the editorial board of Applied Physics Express.

He is currently working as a steering committee member of the conference on the laser and optoelectronics pacific-rim (CLEO Pacific-rim).

Professor Omatsu is a Fellow of the Japan Society of Applied Physics, and a Senior Member of the Optical Society of America. He is also Visiting Professor, Xinjiang Normal University, China.

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