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IEEE Journal on Selected Areas in Communications
OPTICAL WIRELESS COMMUNICATIONS

Indoor and Outdoor Optical Wireless Communications systems provide many advantages over other wireless technologies, including significantly higher data rates and a large amount of available licence-free frequency spectrum. Despite these major advantages, there remain significant research challenges in such areas that must be addressed before optical wireless systems can achieve widespread deployment. This JSAC special issue is devoted to Optical Wireless Systems and is intended to address such challenges.

High quality technical papers reporting on original theoretical results or applications of indoor or outdoor optical wireless systems are solicited. Of particular interest is the following, non exclusive, list of principal topics:

- Outdoor and indoor optical wireless channel and network modeling
- Modulation and coding techniques for optical wireless communications
- Signal processing for optical wireless communications
- MIMO in optical wireless communications
- Laser satellite communications
- Multihop optical wireless communications
- Optical wireless transmitter and receiver design for indoor infrared applications
- Optical wireless CDMA
- Optical wireless sensor networks
- Hybrid RF/optical wireless systems
- Ultraviolet communications
- Light communication for intelligent transportation systems
- Experimental demonstrations, tests, and performance characterizations of optical wireless systems

Prospective authors should follow the IEEE JSAC manuscript format described in the Information for Authors at <http://www.jsac.ucsd.edu/Guidelines/info.html>. Authors should submit a PDF version of their complete manuscript to <http://edas.info> according to the following timetable:

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