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Markus Betz
Abdulahkem Y. Elezzabi
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The "Ultrafast Bio- and Nanophotonics" group is devoted to the study of light-matter interactions and its use to develop technologies that impact the societal challenges wellbeing, safe & secure society as well as an urban society. We are using optical labels to track smart drug delivery systems, and other innovative nanomaterials in interaction with cells and biological tissues using advanced fluorescence and nonlinear spectroscopy e.g. to measure intracellular temperature. PROCEEDINGS VOLUME 10916. Ultrafast Phenomena and Nanophotonics XXIII. Editor(s): Markus Betz; Abdulkhakem Y. Elezzabi. For the purchase of this volume in printed format, please visit Proceedings.com. Traditionally, strong-field physics explores phenomena in laser-driven matter (atoms, molecules, and solids) that cannot be understood by treating the laser field as a small perturbation. Therefore, the presence of an extremely strong external field is usually a prerequisite for observing strong-field phenomena. Ultra high intensity facilities. 2. Ultrafast phenomena in condensed matter and ionized gases. Section Chair: Sergey Uryupin (LPI), email: uryupin@lebedev.ru. Program committee Nadezhda Bulgakova (HiLASE Centre, Institute of Physics ASCR, Czech Republic) Sergey Popruzhenko (Max Planck Institute for the Physics of Complex Systems, Germany) Stanislav Bezhakov (LPI, Russia). Scope. Optical properties of heated solid conductors. Kinetics of rapidly heated electrons in metals and plasma. 3. Ultrafast laser nanofabrication and nanophotonics. Section Chair: Sergey Kudryashov (ITMO university; LPI), email: sikudr@lebedev.ru. Program committee Maria Farsari (FORTH, Greece) Alex Kuchmizhak (IACP/FEFU, Russia) Alexey Porfirev (IPSI/SNRU, Russia). Scope.

