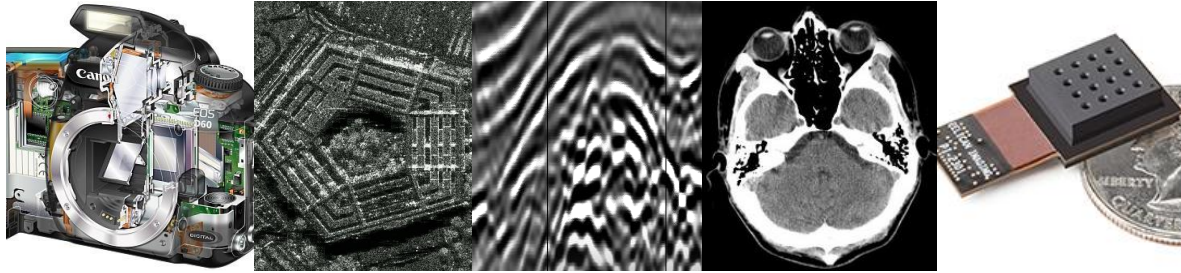# CALL FOR PAPERS

IEEE Transactions on Computational Imaging

SPECIAL ISSUE ON EXTREME IMAGING

IEEE Signal Processing Society

As imaging matures and computing power increases, a new set of methodologies and imaging modalities are emerging that can be labeled as "Extreme." The characterization "extreme" can refer to time scale, spatial extent, resolution, object size, processing speed, unconventional environments and data size. An objective of this special issue is to bring to the forefront and accelerate the development of promising "extreme" approaches, which may later become mainstream. Another objective is to push the limits of imaging and associated analysis research to areas, modalities and systems that have not yet been explored.

 This call for papers encourages submissions of works describing fundamental advances in the creation of images at such extremes, including:
- Imaging at extreme time scales: ultrafast to super slow
- Imaging at extreme size scales--microscopy or astronomy
- Imaging using extreme data sets
- Imaging in harsh or unconventional environments
- Imaging using extreme optical configurations
- Imaging at extreme resolutions

Prospective authors should visit http://www.signalprocessingsociety.org/publications/periodicals/tci/ for information on paper submission. Manuscripts should be submitted via Manuscript Central at http://mc.manuscriptcentral.com/tci-ieee. Please indicate your interest in submitting a paper to this special issue by emailing your tentative title to tci.exim@gmail.com

Important Dates:
- Submission Deadline: ~~July 1, 2016~~ **Extended to September 15, 2016**
- Tentative publication date: May/June, 2017

Guest Editors:
William Freeman, Massachusetts Institute of Technology, USA, billf@mit.edu
Andreas Savakis, Rochester Institute of Technology, USA, andreas.savakis@rit.edu
Yoav Schechner, Technion - Israel Institute of Technology, Israel, yoav@ee.technion.ac.il
Noah Snavely, Cornell University, USA, snavely@cs.cornell.edu
Wolfgang Heidrich, King Abdullah University of Science and Technology, Saudi Arabia, wolfgang.heidrich@kaust.edu.sa