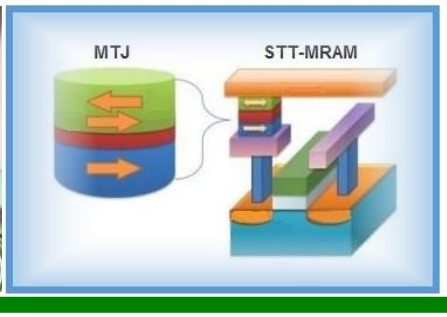

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TMRC 2018

The 29th Magnetic Recording Conference

August 8-10 · Milpitas, CA

http://tmrc2018.ucsd.edu

POSTER SESSIONS - CALL FOR POSTERS

The 29th Magnetic Recording Conference will be held on August 8-10, 2018 at the Western Digital Milpitas Campus, located at 951 Sandisk Drive in Milpitas, CA. The focus of TMRC 2018 is "***novel materials, devices and technologies for magnetic data storage and advanced applications***." Approximately 36 invited papers of the highest quality will be presented orally at the conference and will later be published in the *IEEE Transactions on Magnetics*. Poster sessions will also be held following the oral sessions and will feature posters from the invited speakers and accepted contributed posters. Authors of both invited and contributed papers are encouraged to submit their work for publication.

Topics of interest include:

- Advanced Magnetic Recording for > 2 Tbits/in^2 including Readers, Writers, Servo, Tribology, HDI, Signal Processing
- Heat Assisted Magnetic Recording (HAMR System, Head/Media and HDI)
- Microwave-Assisted Magnetic Recording (MAMR)
- Alternative Magnetic Recording Technologies (SMR, TDMR, HIMR, Heated-dot, Tape, All Optical Switching)
- Spin Transfer Torque-Magnetic Random Access Memory (MTJ cell, MRAM chip, manufacturing and roadmap)
- MRAM & Magnetic Logic – New Physics & Materials (MRAM architecture, VC-MRAM, SOT-MRAM, TI & 2D materials)
- Fundamentals (Metrology, Tooling, Materials, Recording Physics)

The poster sessions will be held after the oral sessions on Wednesday 8/8 and Thursday 8/9. Poster contributors must send an abstract via email to the Poster Co-Chairs Michael Alex (michael.alex@wdc.com) and Fatih Erden (fatih.erden@seagate.com) by **May 30, 2018**. The abstract of the poster should be 1-2 pages long and follow the format provided on the TMRC 2018 website. Accepted poster abstracts will be included in the TMRC Digest Book, and poster contributors are encouraged to submit a manuscript for publication in *IEEE Transactions on Magnetics* following peer review.

The size of each poster is limited to 1097 mm x 1097 mm. The title, authors, and their affiliations should be prominently displayed on the poster. The poster authors should prepare a sign-up sheet for reprint requests. The authors are expected to be available at their posters at predefined time periods that will be staggered to allow discussions with other authors. The detailed poster schedule will be sent to all authors before the conference. The authors of the best invited and contributed posters will be recognized by the Poster Co-Chairs with certificates after the last oral session on Friday 8/10.

TMRC 2018 is sponsored by the IEEE Magnetics Society and co-sponsored by the Data Storage Systems Center (CMU), the Center for Memory and Recording Research (UCSD), the Center for Micromagnetics & Information Technologies (Univ. of Minnesota), the Center for Materials for Information Technology (Univ. of Alabama), the Center for Magnetic Nanotechnology (Stanford), and the Computer Mechanics Laboratory (UC Berkeley).