

The 24th Magnetic Recording Conference
August 20-22, 2013

Tokyo Institute of Technology,
Tokyo, Japan

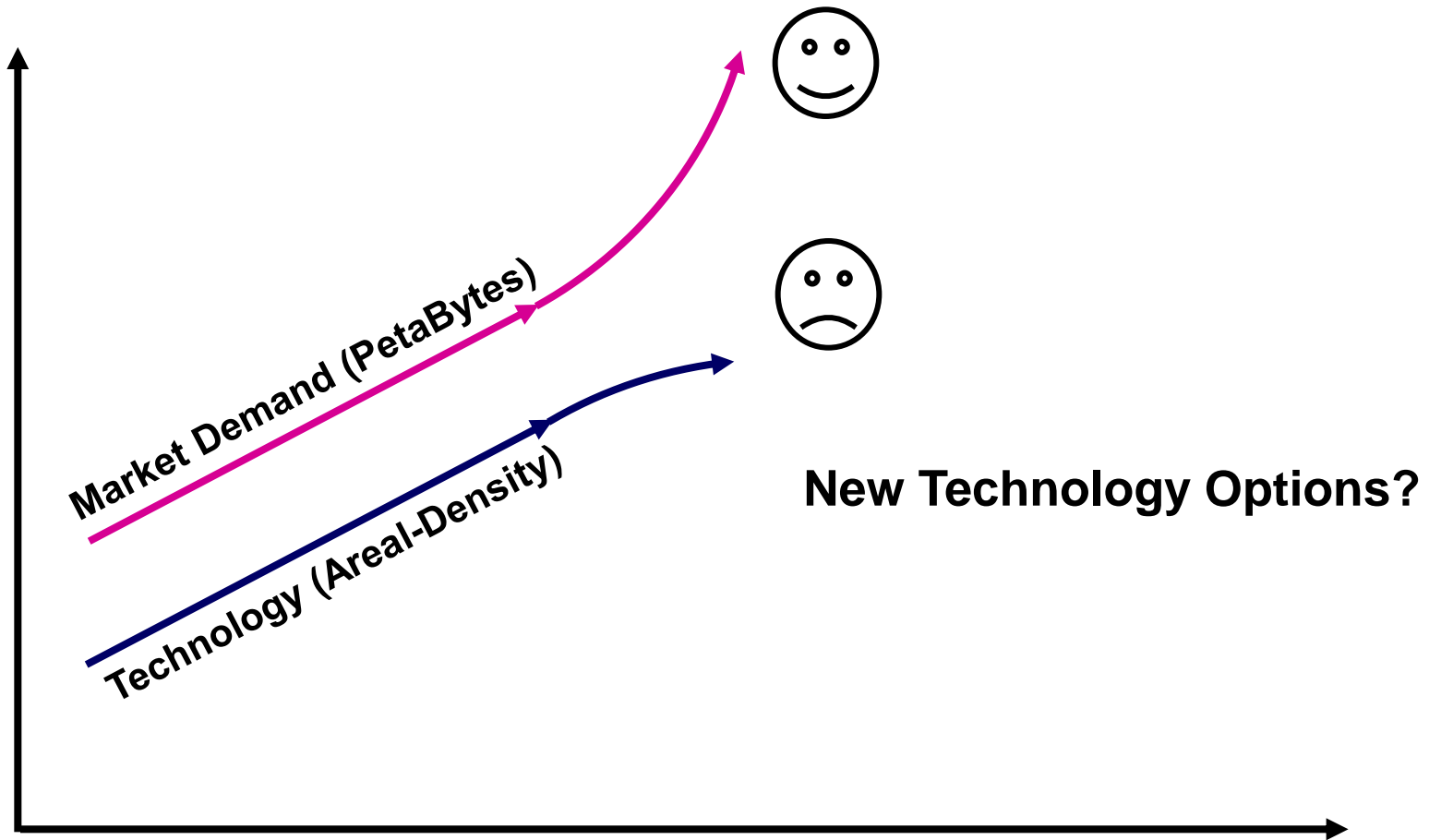


TMRC 2013 Conference Update

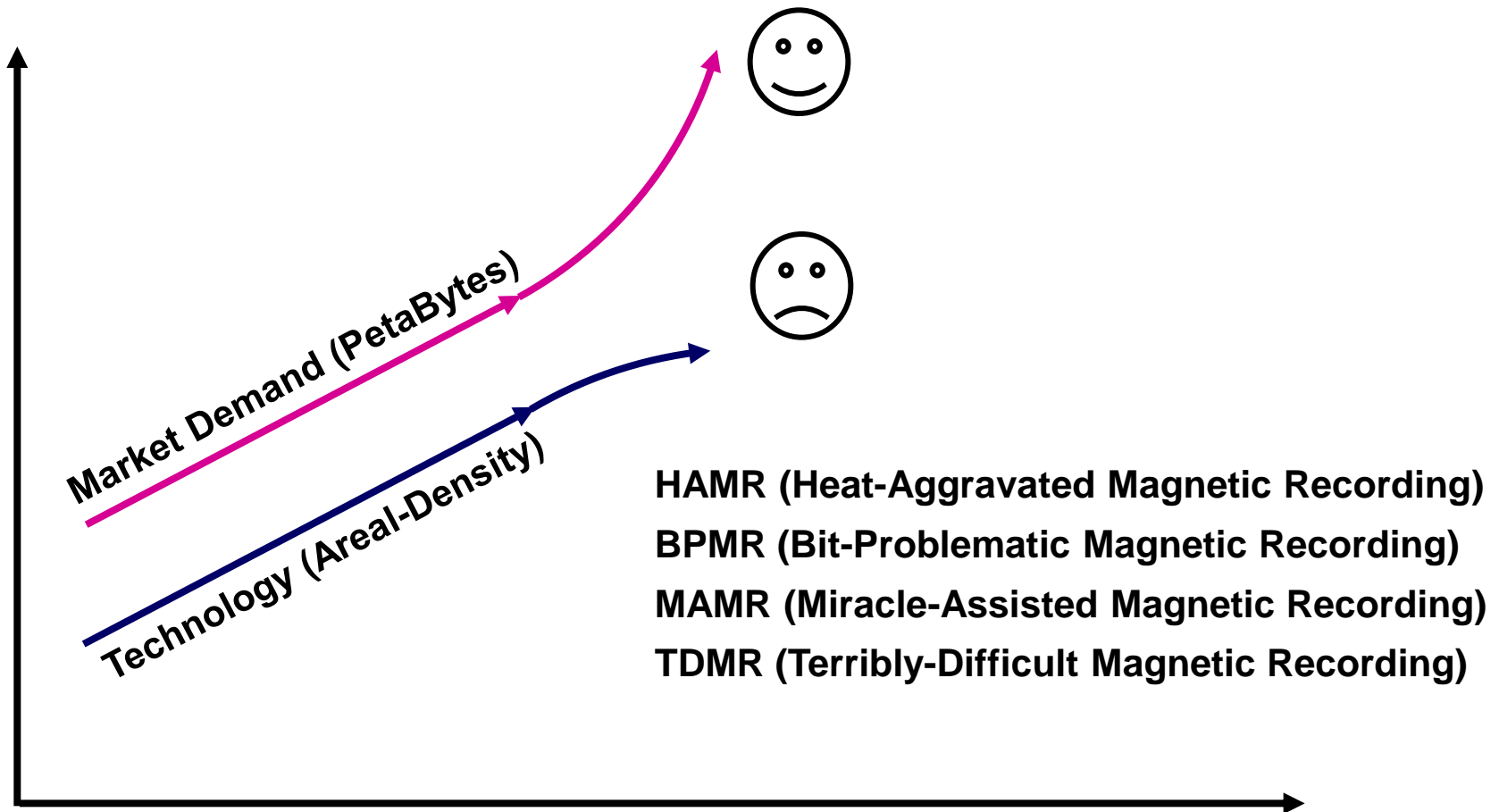
(Attendance, Finances, Submitted papers, etc.)

(Apr. 23rd)

Magnetic Recording Technology



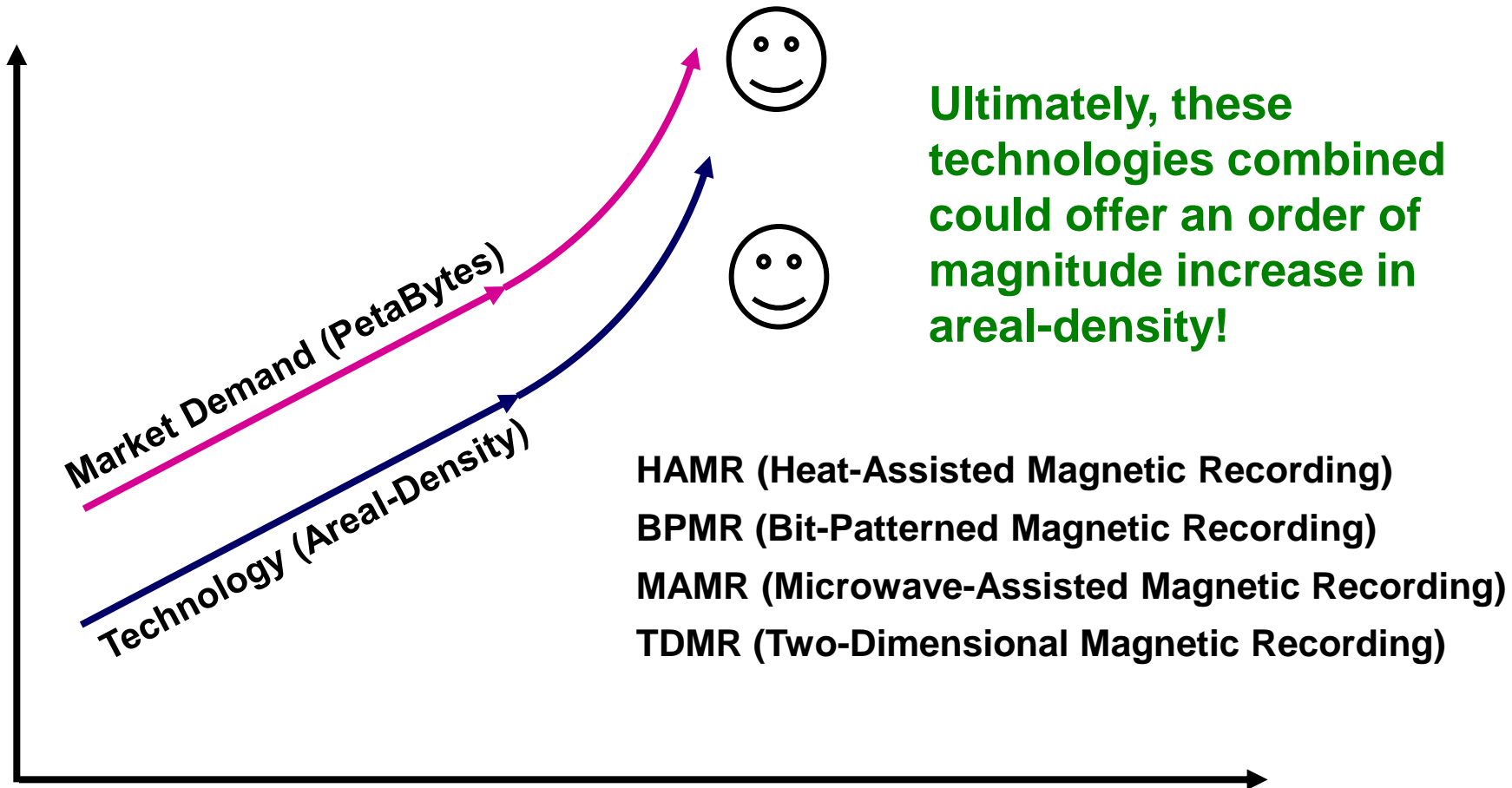
Magnetic Recording Technology



The good thing about being a pessimist is ...

Magnetic Recording Technology

This truly is a vital and exciting time for research on magnetic recording
TMRC is the premier conference addressing the technology options



... that you're always pleasantly surprised

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General Chairs

**Roger Wood (HGST)
Yoshihiro Shiroishi (Hitachi)**

Program Co-Chairs

**Sunita Gangopadhyay (Seagate)
Akira Kikitsu (Toshiba)
Bruce Wilson (LSI)**

Publication Co-Chairs

**Giora Tarnopolsky (TarnoTek)
Akihiko Takeo (Toshiba)**

Co-Treasurers

**Mark T. Kief (Seagate)
Kiyoshi Noguchi (TDK)**

Publicity Co-Chairs

**Peter Goglia (Veritekk)
Simon Greaves (Tohoku U.)**

Poster Co-Chairs

**Ikuya Tagawa (HGST)
Samuel Yuan (WD)**

***Local Co-Chairs
& Local Admin***

**Hiroaki Muraoka (Tohoku University)
Shigeki Nakagawa (Tokyo Tech.)
Haruo Yokota (Tokyo Tech.)**

Thanks to All TMRC2013 Attendances

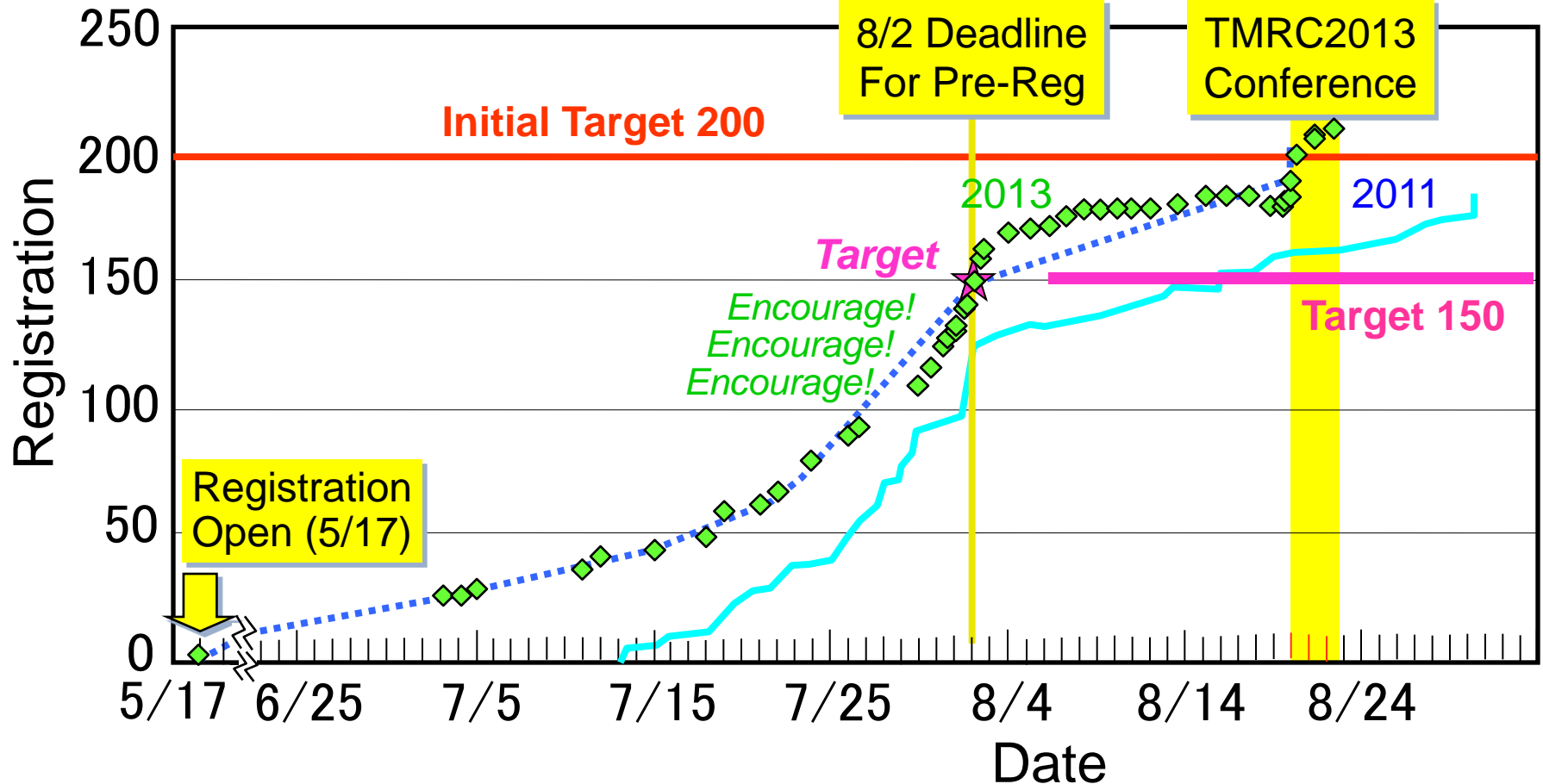
- Attendance is at **210**. Thank you very much for your attendance, presentations (56), exhibitions (12) and discussions.



TMRC 2013



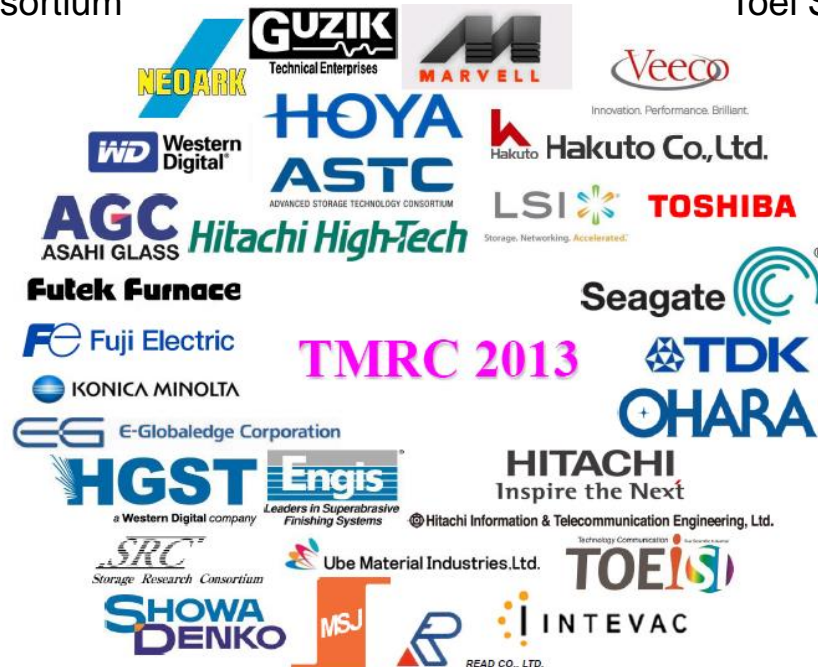
The 24th Magnetic Recording Conference, August 20-22, 2013, Tokyo, Japan



Special Thanks to Our TMRC 2013 Partners

- Registration fees could be set inexpensively at \$100 (Life/Student)-\$ 350 (Non-member) thanks to donations from our 30 Partners.
- Exhibits are being emphasized as a valuable part of the conference experience.

Seagate Technology LLC	Western Digital Corporation	HGST, Inc
LSI Corporation	Marvell Technology Group Ltd.	Toshiba Corporation
Advanced Storage Technology Consortium		E-Globaledge Corporation
Engis Japan Corporation		Fuji Electric Co., Ltd.
FUTEK FURNACE, INC		Guzik Technical Enterprises
Hakuto Co., Ltd.		Hitachi High-Technologies Corporation
Hitachi Information & Telecommunication Engineering, Ltd		HOYA Corporation
Intevac, Inc.	Konica Minolta, Inc.	NEOARK Corporation
OHARA INC.	READ Co.,Ltd.	SHOWA DENKO ELECTRONICS K.K.
TDK Corporation	Ube Material Industries, Ltd.	Veeco Instruments Inc.
ASAHI GLASS CO., LTD. Hitachi Ltd.	The Magnetics Society of Japan	
The Storage Research Consortium		Toei Scientific Industrial Co., Ltd.



Attendance & Submitted Paper Statistics as of 8/23

● Attendance is at 210.

• Japan:126, USA:63, Singapore:12, UK:2, China:1, Hong Kong:1, India:1, Malaysia:1, Philippine:1, Switzerland:1, Taiwan:1

	Attendance	Submitted Papers
By Nationality	<ul style="list-style-type: none"> Japan USA Singapore China UK Hong Kong India Malaysia Philippine Switzerland Taiwan 	<ul style="list-style-type: none"> US Singapore Japan India Taiwan
By Member	<ul style="list-style-type: none"> Non Member Member 	-
By Affiliation	<ul style="list-style-type: none"> HDD Vendor University 	-

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IEEE Magnetics Society Student Travel Awards

TMRC 2013 Award Winners

Shaomin Xiong

Prof. David B. Bogy / UC Berkeley

Yi Wang

Prof. Dan Wei / Tsinghua U.

Nadia Awad

Prof. Mohammed Zaki / Plymouth U.

Sari Shafidah Shafi'ee

Prof. SN PIRAMANAYAGAM / DSI

Seong-Jase Jeon

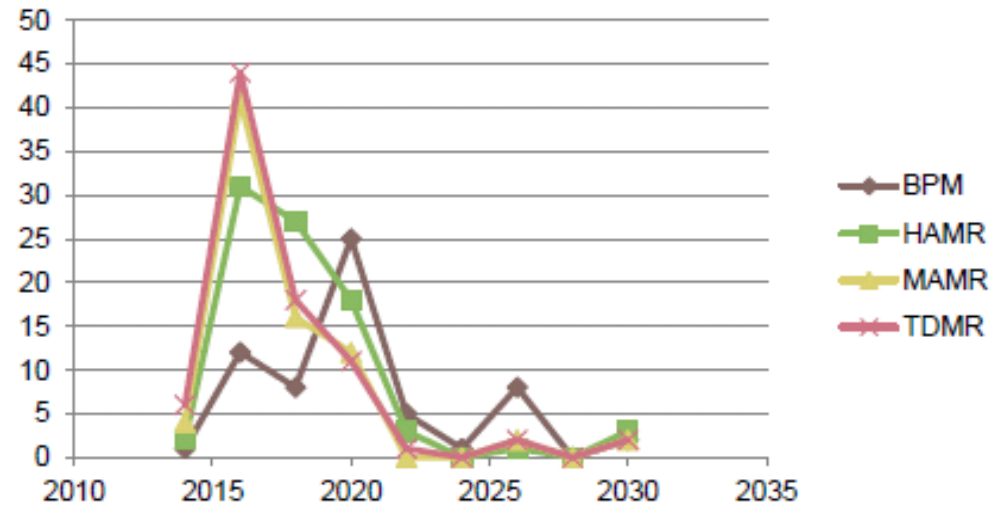
Prof. Shin Saito / Tohoku U.

Please congratulate the students!

TMRC 2013 - HDD Novel Technology Survey

Overall N=134

	BPM	HAMR	MAMR	TDMR
Yes will ship	48%	66%	61%	65%
No will not ship	40%	29%	28%	23%
Don't know	12%	5%	10%	12%
Date shipment	2019.9	2017.9	2017.1	2017.1
sigma	3.5	3.2	3.0	3.1



Academia N=29

	BPM	HAMR	MAMR	TDMR
Yes	55%	76%	59%	62%
No	34%	14%	31%	24%
Don't know	10%	10%	10%	14%
Date	2018.7	2016.2	2018.1	2016.3
sigma	2.7	1.9	2.8	2.0

Japan N=74

	BPM	HAMR	MAMR	TDMR
Yes	36%	58%	54%	57%
No	49%	35%	34%	28%
Don't know	15%	7%	12%	15%
Date	2019.6	2018.3	2018.0	2017.5
sigma	4.3	3.6	4.0	3.2

Industry N=95

	BPM	HAMR	MAMR	TDMR
Yes	44%	62%	62%	65%
No	43%	34%	31%	24%
Don't know	13%	4%	7%	11%
Date	2020.5	2018.6	2016.9	2017.5
sigma	3.7	3.4	3.2	3.3

US N=40

	BPM	HAMR	MAMR	TDMR
Yes	80%	93%	85%	93%
No	13%	8%	8%	5%
Don't know	8%	0%	8%	3%
Date	2020.1	2017.1	2016.2	2016.3
sigma	3.1	1.8	1.3	2.0

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TMRC 2013 Group Photo
(higher resolution version on Website)



有難うございました！

Thank you very much !

非常感謝 (Fei chang gan) !

Terima kasih !

多謝(Do je) !

बहुत धन्यवाद (Bahut dhanyavād) !

Danke schon !

Merci, vielmal !

Salamat po mula sa puso !

Next Conference



25th TMRC, 2014

August 11-13, 2014
at UC Berkeley
Berkeley, CA, USA

General Chair: Gerardo Bertero, WDC
Local Chair: David Bogy, UC Berkeley