RFIW’17
Proceedings of the 2017 Workshop on Recognizing Families In the Wild

Sponsored by: ACM SIGMM

Co-located with: MM 2017
It is our great pleasure to welcome you to the 2017 Recognizing Families In the Wild (RFIW) – RFIW’17, based on the 1st ever large-scale visual kinship recognition data challenge workshop. RFIW’17 was organized with Families In the Wild (FIW)—the largest image database for kinship recognition. Kinship recognition has an abundance of practical uses. Including, but not limited to, forensic investigations, photo library management, historic lineage & genealogical studies, social-media- based analysis, cases of missing children & human tracking, and problems of immigration & border patrol. This workshop will cover the results of the data challenge, the current status and plans for FIW, and the past, present and future of kinship recognition. RFIW gives researchers and practitioners a unique opportunity to exchange their perspectives with others interested in the various aspects of kinship recognition technologies.

Participants of the competition spanned all over the globe. We had nearly 100 teams register for the event, with 12 teams submitting competitive results, and 6 of which had their work published.

RFIW’17 workshop is on 27 October 2017 at ACM MM. The agenda includes the following:

- RFIW Data Workshop Introduction and Overview
- Oral presentations (2) given by top performers of RFIW
- Poster Presentations by all other authors during coffee break
- Past, Present, and Future of Kinship Recognition, FIW, and upcoming events

Additionally, we have two great keynotes coming to share complimentary views of the problem:

- *Rapid DNA Performance Results on Family Relationship Verification*, Christopher Miles (Department of Homeland Security)
- *Recent Advances in Deep Reinforcement Learning for Computer Vision and NLP*, Caiming Xiong (Salesforce Research)

We encourage attendees to join us to learn from these valuable and insightful speakers that will guide us to a better understanding of the future.

Putting together RFIW’17 was a team effort. We first thank the participants and authors for their persistent efforts and interesting research stemming from the data challenge. We wish to thank the program committee, who worked very hard in reviewing papers and providing feedback for authors. Additionally, we are just so grateful for the other workshop chairs and organizers for helping to make RFIW’17 possible. Finally, we thank the sponsoring organization, ACM SIGMM.

We hope that you will find this program interesting and thought-provoking and that the workshop will provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world.

Yun Raymond Fu  
*RFIW’17 General Chair*  
*Northeastern Univ., USA*

Joseph P. Robinson  
*RFIW’17 Workshop Co-Chair*  
*Northeastern Univ., USA*

Ming Shao  
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*Northeastern Univ., USA*

Timothy Gillis  
*Web & Publicity Co-Chairs*  
*Northeastern Univ., USA*
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RFIW 2017 Workshop Organization

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Ming Shao (*University of Massachusetts Dartmouth, USA*)
Siyu Xia (*Southeast University, China*)

**Web and Publicity Co-Chairs:** Handong Zhao (*Northeastern University, USA*)
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