The scientific state of the art in Crowdsourcing

An overview of Crowdsourcing, its different facets, challenges and criticisms

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[1] O. Alonso, D. E. Rose, and B. Stewart. Crowdsourcing for relevance evaluation. In *ACM SigIR Forum*, volume 42, pages 9–15. ACM, 2008.

[2] M. Antikainen, M. Mäkipää, and M. Ahonen. Motivating and supporting collaboration in open innovation. *European Journal of Innovation Management*, 13(1):100–119, 2010.

[3] D. C. Brabham. Crowdsourcing as a model for problem solving: An introduction and cases. *Convergence: the international journal of research into new media technologies*, 14(1):75–90, 2008.

[4] D. C. Brabham. Moving the crowd at istockphoto: The composition of the crowd and motivations for participation in a crowdsourcing application. *First Monday*, 13(6), 2008.

[5] D. C. Brabham. Moving the crowd at threadless: Motivations for participation in a crowdsourcing application. *Information, Communication & Society*, 13(8):1122–1145, 2010.

[6] A. Doan, R. Ramakrishnan, and A. Y. Halevy. Crowdsourcing systems on the world-wide web. *Communications of the ACM*, 54(4):86–96, 2011.

[7] E. Estellés-Arolas and F. González-Ladrón-de Guevara. Towards an integrated crowdsourcing definition. *Journal of Information science*, 38(2):189–200, 2012.

[8] J. J. Horton and L. B. Chilton. The labor economics of paid crowdsourcing. In *Proceedings of the 11th ACM conference on Electronic commerce*, pages 209–218. ACM, 2010.

[9] J. Howe. The rise of crowdsourcing. *Wired magazine*, 14(6):1–4, 2006.

[10] T. Hoßfeld, A. Mäder, K. Tutschku, F.-U. Andersen, C. Kappler, H. de Meer, I. Dedinski, and J. Oberender. CrowdTesting: A Novel Methodology for Subjective User Studies and QoE Evaluation. Technical Report 486, University of Würzburg, Institute of Computer Science, Febuary 2013.

[11] A. Kittur, E. H. Chi, and B. Suh. Crowdsourcing user studies with mechanical turk. In *Proceedings of the SIGCHI conference on human factors in computing systems*, pages 453–456. ACM, 2008.

[12] W. Mason and D. J. Watts. Financial incentives and the performance of crowds. *ACM SigKDD Explorations Newsletter*, 11(2):100–108, 2010.

[13] J. A. Redi, T. Hoßfeld, P. Korshunov, F. Mazza, I. Povoa, and C. Keimel. Crowdsourcing-based multimedia subjective evaluations: a case study on image recognizability and aesthetic appeal. In *Proceedings of the 2nd ACM international workshop on Crowdsourcing for multimedia*, pages 29–34. ACM, 2013.

[14] H. Simula. The rise and fall of crowdsourcing? In *System Sciences (HICSS), 2013 46th Hawaii International Conference on*, pages 2783–2791. IEEE, 2013.