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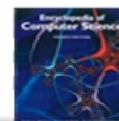
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IMWUT [Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies](#)

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SIGAPP [Special Interest Group on Applied Computing](#)

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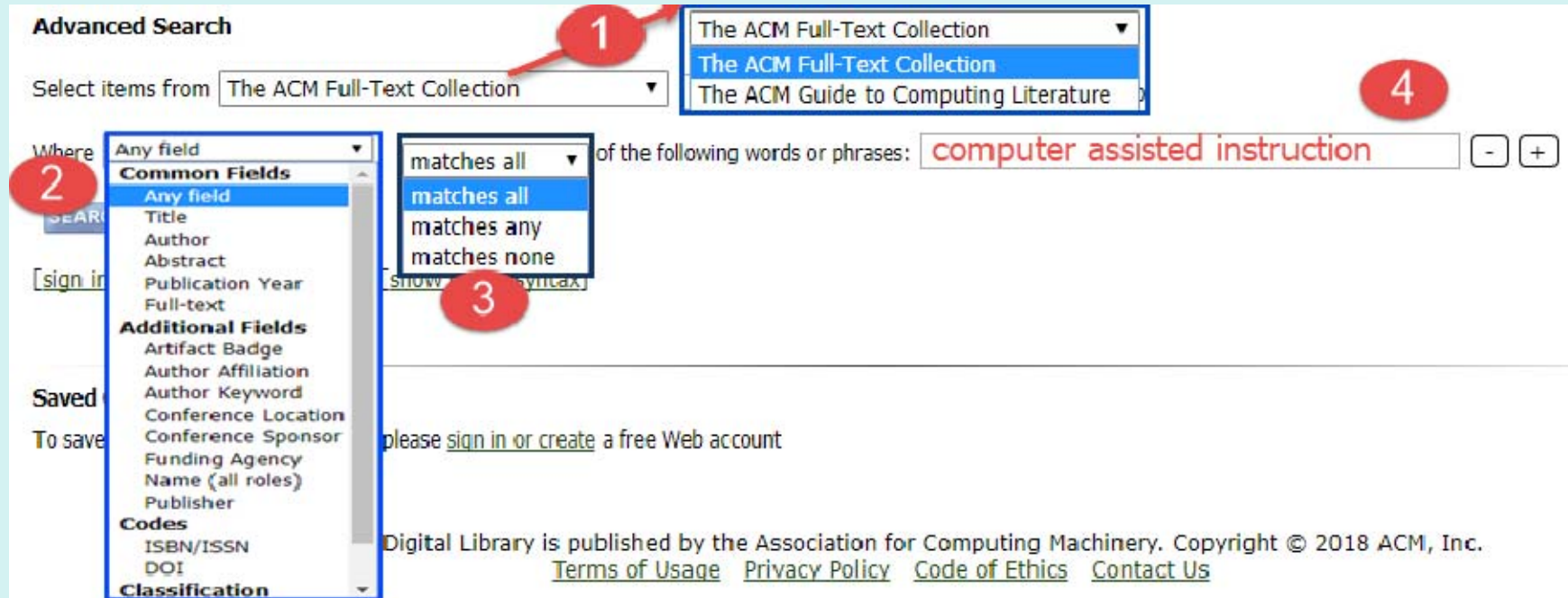
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The screenshot shows the 'Advanced Search' interface. At the top, there is a dropdown menu for 'Select items from' with 'The ACM Full-Text Collection' selected. A red circle with the number '1' points to this dropdown. Below it, a search box contains the text 'computer assisted instruction'. To the left of the search box is a dropdown menu for 'Where' with 'Any field' selected. A red circle with the number '2' points to this dropdown. Below the 'Where' dropdown is another dropdown menu for 'matches all', 'matches any', or 'matches none'. A red circle with the number '3' points to this dropdown. To the right of the search box is a red circle with the number '4' pointing to a '+' button. The interface also includes a 'sign in' link, a 'Saved' section, and a footer with copyright information and links for 'Terms of Usage', 'Privacy Policy', 'Code of Ethics', and 'Contact Us'.

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 matches any = อย่างน้อยหนึ่งคำ ต้องปรากฏอยู่ในเอกสารเดียวกัน
 matches none = คำนี้ต้องไม่ปรากฏอยู่ในเอกสารเดียวกัน
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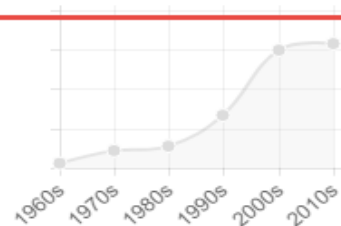
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Test gen: A tool for emancipation from traditional instruction


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[Lorrie Lawrence Hoffman](#)

January 1978 ACM '78: Proceedings of the 1978 annual conference - Volume 2

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1. คลิกที่ชื่อเรื่องเพื่อแสดงรายละเอียดเนื้อหา
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- Pages 845-848
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




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Improving Recommendation Lists Through Topic Diversification

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ABSTRACT

In this work we present topic diversification, a novel method designed to balance and diversify personalized recommendation lists in order to reflect the user's complete spectrum of interests. Though being detrimental to average accuracy, we show that our method improves user satisfaction with recommendation lists, in particular for lists generated using the common item-based collaborative filtering algorithm.

Our work builds upon prior research on recommender systems, looking at properties of recommendation lists as en-

these techniques to offer personalized recommendation lists to their customers.

Though the *accuracy* of state-of-the-art collaborative filtering systems, i.e., the probability that the active user¹ will appreciate the products recommended, is excellent, some implications affecting user satisfaction have been observed in practice. Thus, on Amazon.com (<http://www.amazon.com>), many recommendations seem to be “similar” with respect to content. For instance, customers that have purchased many of Hermann Hesse's prose may happen to obtain recommendation lists where all top-5 entries contain books by

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