As part of this bimonthly processing, ScienceWatch.com selects the Research Fronts with the largest absolute increase in size in each of the 22 major fields covered by Essential Science Indicators from Thomson Reuters. The size of a research front is determined by the number of core papers it contains. This Research Front on TECHNOLOGY ACCEPTANCE MODEL from the field of Economics & Business was selected for mapping from the list of Top Topics for August 2009 (data from the second bimonthly period of 2009). The map is a diagrammatic representation of the 28 core papers comprising the front in Economics & Business.

Each circle represents a highly cited paper whose bibliographic information is displayed when the user clicks on the circle. The lines between circles represent the strongest co-citation links for each paper (that is, indicating that the papers are frequently cited together). Papers close to each other on the map are generally more highly co-cited. The most recent paper(s) are indicated in pink. Annotations may have been added to this map which represent the main research themes. These appear as labels attached to specific regions on the maps.

**Core Papers**

**Label:** Venkatesh-2003  
**Title:** User acceptance of information technology: Toward a unified view  
**Journal:** MIS QUART, 27 (3): 425-478 SEP 2003  
**Citations:** 382  
**Authors:** Venkatesh, V; Morris, MG; Davis, GB; Davis, FD  
**Addresses:**  
- Univ Maryland, Robert H Smith Sch Business, Van Munching Hall, College Pk, MD 20742 USA  
- Univ Maryland, Robert H Smith Sch Business, College Pk, MD 20742 USA  
- Univ Virginia, McIntire Sch Commerce, Charlottesville, VA 22903 USA  
- Univ Minnesota, Carlson Sch Management, Minneapolis, MN 55455 USA  
- Univ Arkansas, Sam M Walton Coll Business, Fayetteville, AR 72701 USA
Label: vanderHeijden-2004
Title: User acceptance of hedonic information systems
Journal: MIS QUART, 28 (4): 695-704 DEC 2004
Citations: 59
Authors: van der Heijden, H
Addresses: Univ Surrey, Sch Management, Guildford GU2 7XH, Surrey, England
Univ Surrey, Sch Management, Guildford GU2 7XH, Surrey, England

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Label: Wu-2005
Title: What drives mobile commerce? An empirical evaluation of the revised technology acceptance model
Journal: INFORM MANAGEMENT, 42 (5): 719-729 JUL 2005
Citations: 57
Authors: Wu, JH; Wang, SC
Addresses: Natl Sun Yat Sen Univ, Dept Informat Manaement, Kaohsiung 804, Taiwan
Natl Sun Yat Sen Univ, Dept Informat Manaement, Kaohsiung 804, Taiwan
Natl Sun Yat Sen Univ, Inst Hlth Care Management, Kaohsiung 804, Taiwan
Natl Kaohsiung Marine Univ, Dept Informat Management, Kaohsiung 811, Taiwan

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Label: Jasperson-2005
Title: A comprehensive conceptualization of post-adoptive behaviors associated with information technology enabled work systems
Journal: MIS QUART, 29 (3): 525-557 SEP 2005
Citations: 54
Authors: Jasperson, JS; Carter, PE; Zmud, RW
Addresses: Texas A&M Univ, Mays Business Sch, 4217 TAMU, College Stn, TX 77843 USA
Texas A&M Univ, Mays Business Sch, College Stn, TX 77843 USA
Florida State Univ, Coll Business, Tallahassee, FL 32306 USA
Univ Oklahoma, Michael F Price Coll Business, Norman, OK 73019 USA

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Label: Wixom-2005
Title: A theoretical integration of user satisfaction and technology acceptance
Journal: INF SYSTEMS RES, 16 (1): 85-102 MAR 2005
Citations: 50
Authors: Wixom, BH; Todd, PA
Addresses: Univ Virginia, McIntire Sch Commerce, Charlottesville, VA 22904 USA
Univ Virginia, McIntire Sch Commerce, Charlottesville, VA 22904 USA

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Label: Hsu-2004
Title: Why do people play on-line games? An extended TAM with social influences and flow experience
Citations: 39
Authors: Hsu, CL; Lu, HP
Addresses: Natl Taiwan Univ Sci & Technol, Dept Informat Management, Taipei, Taiwan
Natl Taiwan Univ Sci & Technol, Dept Informat Management, Taipei, Taiwan

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Label: Amoako-Gyampah-2004
Title: An extension of the technology acceptance model in an ERP implementation environment
Citations: 38
Authors: Amoako-Gyampah, K; Salam, AF
Addresses: Univ N Carolina, Bryan Sch Business & Ecol, Informat Syst & Operat Management Dept, Greensboro, NC 27402
Label: Pavlou-2006
Title: Understanding and predicting electronic commerce adoption: An extension of the theory of planned behavior
Journal: MIS QUART, 30 (1): 115-143 MAR 2006
Citations: 38
Authors: Pavlou, PA; Fygenson, M
Addresses: Univ Calif Riverside, Anderson Grad Sch Management, Riverside, CA 92521 USA
Univ Calif Riverside, Anderson Grad Sch Management, Riverside, CA 92521 USA
Univ So Calif, Marshall Sch Business, Los Angeles, CA 90089 USA

Label: Shih-2004
Title: An empirical study on predicting user acceptance of e-shopping on the Web
Citations: 38
Authors: Shih, HP
Addresses: Hsuan Chuang Univ, Informat Management Dept, Hsinchu, Taiwan
Hsuan Chuang Univ, Informat Management Dept, Hsinchu, Taiwan

Label: Vijayasarathy-2004
Title: Predicting consumer intentions to use on-line shopping: the case for an augmented technology acceptance model
Citations: 37
Authors: Vijayasarathy, LR
Addresses: Colorado State Univ, Coll Business, Ft Collins, CO 80523 USA
Colorado State Univ, Coll Business, Ft Collins, CO 80523 USA

Label: Bart-2005
Title: Are the drivers and role of online trust the same for all Web sites and consumers? A large-scale exploratory empirical study
Journal: J MARKETING, 69 (4): 133-152 OCT 2005
Citations: 34
Authors: Bart, Y; Shankar, V; Sultan, F; Urban, GL
Addresses: Univ Calif Berkeley, Haas Sch Business, Berkeley, CA 94720 USA
Univ Calif Berkeley, Haas Sch Business, Berkeley, CA 94720 USA
Texas A&M Univ, Mays Business Sch, College Stn, TX 77843 USA
Northeastern Univ, Coll Business Adm, Boston, MA 02115 USA
MIT, Alfred P Sloan Sch Management, Cambridge, MA 02139 USA

Label: Bruner-2005
Title: Explaining consumer acceptance of handheld Internet devices
Journal: J BUS RES, 58 (5): 553-558 MAY 2005
Citations: 33
Authors: Bruner, GC; Kumar, A
Addresses: So Illinois Univ, Coll Business & Adm, Dept Marketing, Room 229, Rehn Hall, Carbondale, IL 62901 USA
So Illinois Univ, Coll Business & Adm, Dept Marketing, Carbondale, IL 62901 USA
**Label:** Luarn-2005  
**Title:** Toward an understanding of the behavioral intention to use mobile banking  
**Journal:** COMPUT HUM BEHAV, 21 (6): 873-891 NOV 2005  
**Citations:** 33  
**Authors:** Luarn, P; Lin, HH  
**Addresses:**  
Natl Taiwan Univ Sci & Technol, Dept Business Adm, Taipei 106, Taiwan  
Natl Taiwan Univ Sci & Technol, Dept Business Adm, Taipei 106, Taiwan  
Overseas Chinese Inst Technol, Dept Int Trade, Taichung 407, Taiwan

**Label:** Shang-2005  
**Title:** Extrinsic versus intrinsic motivations for consumers to shop on-line  
**Journal:** INFORM MANAGEMENT, 42 (3): 401-413 MAR 2005  
**Citations:** 31  
**Authors:** Shang, RA; Chen, YC; Shen, L  
**Addresses:**  
Soochow Univ, Dept Business Adm, 56 Kuei Yang St, Sec 1, Taipei, Taiwan  
Soochow Univ, Dept Business Adm, Taipei, Taiwan

**Label:** Malhotra-2004  
**Title:** Internet users’ information privacy concerns (IUIPC): The construct, the scale, and a causal model  
**Journal:** INF SYSTEMS RES, 15 (4): 336-355 DEC 2004  
**Citations:** 28  
**Authors:** Malhotra, NK; Kim, SS; Agarwal, J  
**Addresses:**  
Georgia Tech, Coll Management, 800 W Peachtree St, Atlanta, GA 30332 USA  
Georgia Tech, Coll Management, Atlanta, GA 30332 USA  
Univ Wisconsin, Sch Business, Madison, WI 53706 USA  
Univ Calgary, Haskayne Sch Business, Calgary, AB T2N 1N4, Canada

**Label:** Flavian-2006  
**Title:** The role played by perceived usability, satisfaction and consumer trust on website loyalty  
**Journal:** INFORM MANAGEMENT, 43 (1): 1-14 JAN 2006  
**Citations:** 23  
**Authors:** Flavian, C; Guinaliu, M; Gurrea, R  
**Addresses:**  
Univ Zaragoza, Fac Ciencias Econ & Empresariales, Gran Via 2, Zaragoza 50005, Spain  
Univ Zaragoza, Fac Ciencias Econ & Empresariales, Zaragoza 50005, Spain

**Label:** Lee-2005  
**Title:** Acceptance of Internet-based learning medium: the role of extrinsic and intrinsic motivation  
**Journal:** INFORM MANAGEMENT, 42 (8): 1095-1104 DEC 2005  
**Citations:** 22  
**Authors:** Lee, MK; Cheung, CM; Chen, ZH  
**Addresses:**  
City Univ Hong Kong, Fac Business, Dept Informat Syst, Kowloon, Hong Kong, Peoples R China  
City Univ Hong Kong, Fac Business, Dept Informat Syst, Kowloon, Hong Kong, Peoples R China

**Label:** King-2006  
**Title:** A meta-analysis of the technology acceptance model  
**Journal:** INFORM MANAGEMENT, 43 (8): 740-755 SEP 2006  
**Citations:** 21  
**Authors:** King, WR; He, J  
**Addresses:**
Label: Burton-Jones-2006
Title: Reconceptualizing system usage: An approach and empirical test
Journal: INF SYSTEMS RES, 17 (3): 228-246 SEP 2006
Citations: 19
Authors: Burton-Jones, A; Straub, DW
Addresses:
Univ British Columbia, Management Informat Syst Div, Sauder Sch Business, 2053 Main Mall, Vancouver, BC V6T 1Z2, Canada
Univ British Columbia, Management Informat Syst Div, Sauder Sch Business, Vancouver, BC V6T 1Z2, Canada
Georgia State Univ, Dept Comp Informa Syst, J Mack Robinson Coll Business Adm, Atlanta, GA 30302 USA

Label: Petter-2007
Title: Specifying formative constructs in information systems research
Citations: 18
Authors: Petter, S; Straub, D; Rai, A
Addresses:
Univ Nebraska, 1110 S 67th St, Omaha, NE 68182 USA
University of Nebraska, Omaha, NE 68182 USA
Georgia State Univ, Atlanta, GA 30302 USA
Georgia State Univ, Ctr Proc Innovat & Comp Informa Syst, Atlanta, GA 30303 USA

Label: Liang-2007
Title: Assimilation of enterprise systems: The effect of institutional pressures and the mediating role of top management
Citations: 16
Authors: Liang, HG; Saraf, N; Hu, Q; Xue, YJ
Addresses:
Florida Atlantic Univ, Dept Informat Technol & Operat Management, Ft Lauderdale, FL 33308 USA
Florida Atlantic Univ, Dept Informat Technol & Operat Management, Ft Lauderdale, FL 33308 USA
Simon Fraser Univ, Fac Business Adm, Burnaby, BC V5A 1S6, Canada
Florida Atlantic Univ, Coll Business, Dept Informat Technol & Operat Management, Boca Raton, FL 33431 USA
Florida Atlantic Univ, Coll Business, Boca Raton, FL 33431 USA

Label: Schepers-2007
Title: A meta-analysis of the technology acceptance model: Investigating subjective norm and moderation effects
Citations: 13
Authors: Schepers, J; Wetzels, M
Addresses:
Maastricht Univ, Maastricht, Netherlands

Label: Benbasat-2007
Title: Quo vadis, TAM?
Journal: J ASSOC INF SYST, 8 (4): 211-218 APR 2007
Citations: 12
Authors: Benbasat, I; Barki, H
Addresses: