


## The Present and Future State of Blended Learning in Workplace Learning Settings in the United States

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### Whose Learning Is It, Anyway?


Learning & Training Innovations, Clay & Mindrum, July/August, 2003, p.33

"E-learning proponents promised just-in-time, just-for-me, anytime, anywhere, 24X7, interactive, streaming, real-time, asynchronous, pervasive, motivational, emotional, collaborative, multimedia, blended, adaptive, personalized, intuitive, rich, engaging, strategic, empowering, scalable, consistent, efficient, and cost-effective learning."




### Blended learning Study: Introduction

- The growing importance of blended learning in workplace learning internationally (Bonk & Graham, 2006; Rossett & Frazee, 2006)
- Confusions about blended learning exists (eLearning Guild, 2003)
  - What does blended learning really mean?
  - What are optimal blends?
  - How blended learning should be evaluated?




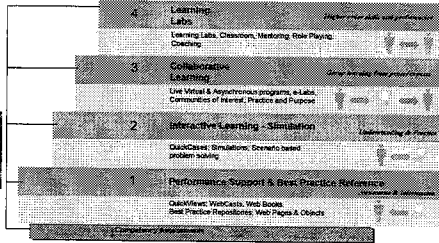
### AMA Special Report, Blended Learning Opportunities; Alison Rossett (2006)

1. Anchor Blend: Start FTF, then online
2. Bookend Blend: Three part: e.g., online preassessments, then FTF, and then online post assessments
3. Field Blend: Assets, resources, and choices including perhaps FTF



### The IBM Four Tier Learning Model (2006)

#### Blending Learning for Business Impact – IBM's case for learning success, 2006 Handbook of Blended Learning, Nancy Lewis, VP, & Peter Orton, IBM





The diagram shows four tiers of learning, each with a corresponding icon and description:

- 4. **Learning Labs** (Icon: person at computer) - Learning Labs, Classroom, Meeting, One-to-One Coaching
- 3. **Collaborative Learning** (Icon: group of people) - Live Virtual & Asynchronous programs, e-Labs, Communities of Interest, Practice and Progress
- 2. **Interactive Learning – Simulation** (Icon: person at computer) - Case Studies, Simulations, Screen-based problem solving
- 1. **Performance Support & Best Practice Reference** (Icon: person at computer) - Call/Voice, Web/Cass, Web Books, Best Practice Playbooks, Web/Phone & Content

### Fully Online and Blended Learning Advantages

1. Increased Learning (better papers, higher scores)
2. More effective pedagogy and interaction
3. Course access at one's convenience and flexible completion
4. Personalized access to a range of materials
5. Accommodate more learning styles
6. Connect different nationalities and cultures
7. Reduction in physical class or space needs, commuting, parking
8. Increased opportunities for human interaction, communication, & contact among students
9. Introverts participate more
10. Cost effective, time, satisfaction



## Precursors to this Study

"Online Training in the Online World" (2001-2002)

"Surveying the future of workplace e-learning: *The rise of blending, interactivity, and authentic learning*" (2003-2004)

"The Future of Blended Learning in Corporate and Other Training Settings: An International Study" (2005-2006)

## Purpose of the Study

- To explore the current and future trends of blended learning in U.S. corporations.

**Definition of Blended learning:**  
Combination of face-to-face training and online learning.

## Research Questions

- How is blended learning being perceived and practiced in workplace learning settings today?
- How is blended learning expected to be perceived and practiced in the next few years?
- Are there cross-cultural differences in the current status and future trends of blended learning? If so, what are the differences?

## Tool Used was SurveyShare

The screenshot shows the SurveyShare.com website. The main heading is "SurveyShare.com". Below it, there is a navigation menu with options like "Home", "About", "Contact Us", "Privacy Policy", "Terms of Service", "Help", and "Feedback". The main content area features a "Create New Survey" button and a "Survey Features and Pricing Information" section. The "Survey Features and Pricing Information" section lists various features and pricing options, including "Survey Features and Pricing Information", "Survey Features and Pricing Information", "Survey Features and Pricing Information", and "Survey Features and Pricing Information".

## Created Unique Surveys in Four Languages

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## Take Survey

The screenshot shows a survey page titled "The Future of Blended Learning in Corporate and Other Training Settings (Page 1 of 4)". The page contains a survey form with a title "The Future of Blended Learning in Corporate and Other Training Settings (Page 1 of 4) (Private Only)". Below the title, there is a section for "Demographic Information" with a note "(Please only include information which you feel comfortable providing.)". The survey form includes several questions with radio button options, such as "1) Where are you primarily employed?" and "2) Please indicate your product:". The survey form also includes a "Next" button and a "Previous" button.

## Methods: Survey Respondents

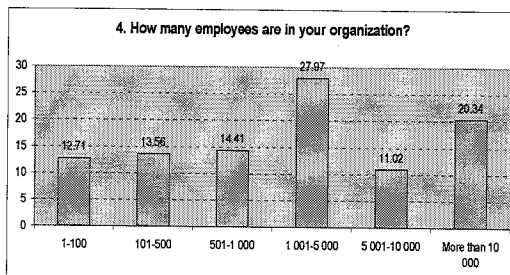
- **Target: Training/HRD (human resource development) professionals who belonged to professional organizations, discussion forums, or listservs on HRD, e-learning, or blended learning.**



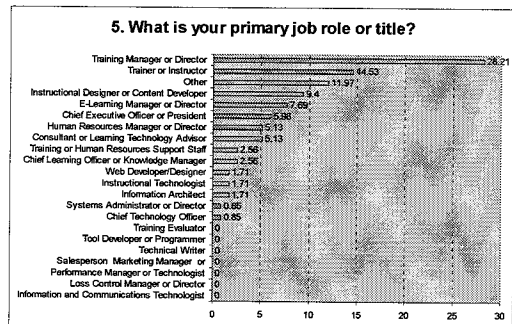
## Methods: Survey Respondents

- **Respondents: (N = 118)**
  - **Employed in various types of organization (e.g., government, business, not-for-profit)**
  - **41% female, 59 male**
  - **=====**
  - **Other four countries...**
    - **South Korea = 136**
    - **Taiwan = 112**
    - **United Kingdom = 202**
    - **China = 105**

## Size of Respondent Organizations



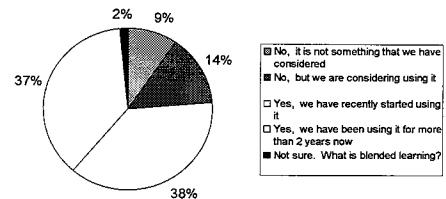
## Primary Role of Respondents



## Findings I: Current State of Blended Learning

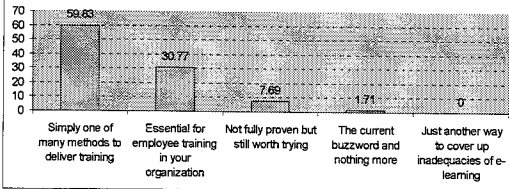
**37% in China (26% just started and 11% for more than 2 years) and 45% in Taiwan using BL is far lower than US (75%), UK (73%), and Korea (63%) (Bonk, Kim, Zeng, Son, Teng, & Oh, 2006)**

### 7. Is your organization using blended learning as part of its employee training?



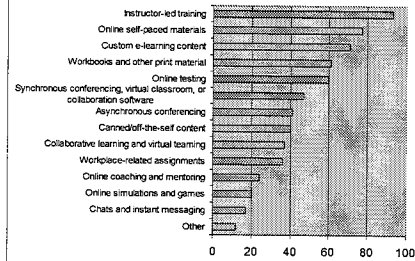
## Respondents' Views of Blended Learning

8. Do you see blended learning as (pick the one that you feel best reflects your views):



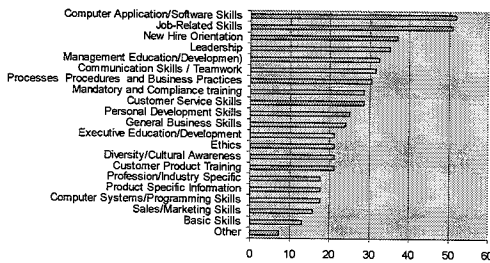
## How do They Blend?

9. Blended learning programs in your organization typically include which of the following? (check all that apply)



## Why Skills are Taught in Blended Courses?

10. Which one of the following skill areas are taught in blended courses?



## 3-4 Skills Most Taught Through Blended

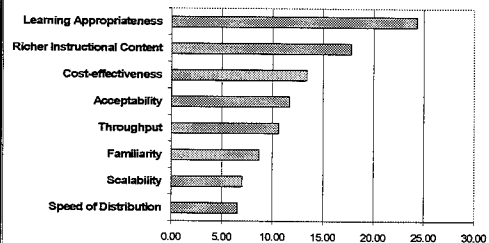
- **US: Computer Applies, Job, New Hire Orientation, Leadership**
- **UK: Computer Applies, Job, Communication/Teamwork, Personal Devel Skills**
- =====
- **Korea: Job Related, Leadership, New Hire Orientation, Basic Skills**
- **Taiwan: Job Related, New Hire Orientation, Communication/Teamwork Skills**
- **China: Communication/Teamwork, Basic Skills, Customer Service, Sales/Marketing**

## 3-4 Skills Least Taught Through Blended

- **US: Basic Skills, Sales/Marketing, Programming, Product Specific, Professional**
- **UK: Ethics, New Hire Orient, Basic Skills, Exec Ed**
- =====
- **Korea: Product Specific, Diversity, Customer Product Training, Compliance**
- **Taiwan: Diversity, Exec Education, Programming, Leadership, Product Specific, Business Practices**
- **China: Computer Systems/Programming, New Hire Orientation, Leadership, Product Specific**

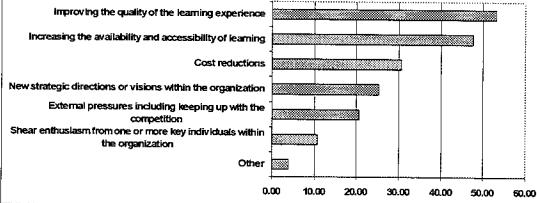
## Greatest Benefit: Why do Blended?

11. What is the greatest benefit of blended learning?



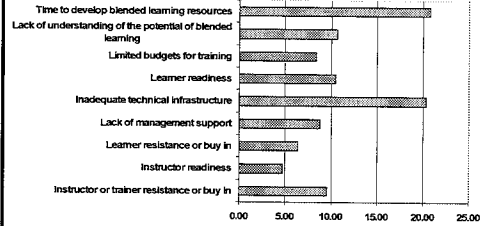
## Key Drivers for Blended Learning?

13. What are the key drivers of blended learning in your organization? (check all that apply)



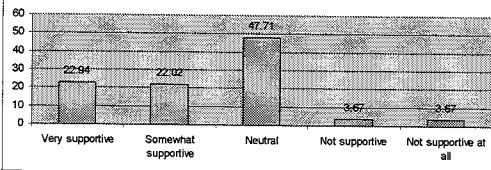
## Greatest Obstacles to Blended?

12. What is the greatest obstacle or problem you face in utilizing blended learning?



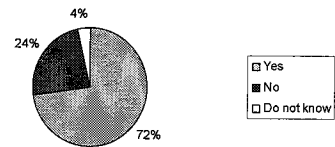
•Taiwan (44%), US (45%), and China (46%) governments were the least supportive. UK most supportive (62%), while Korea was 2<sup>nd</sup> (52%).

15. Is the government of your country supportive of blended-learning?



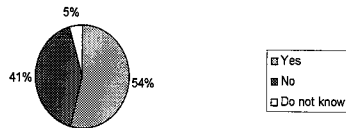
Korea most likely to have a strategic plan at 85% and UK was 79%; China least likely at 71%; USA (72%) and Taiwan (71%) also less likely.

16-a. Does your organization have a strategic plan for training and development?



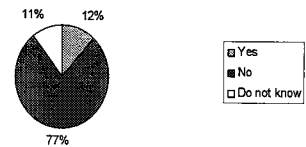
## Is the Plan Shared with Employees?

16-b. If you have a plan, is it shared with employees on an internal company intranet web site?



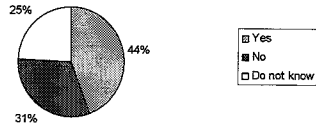
## Is the Plan Publicly Available?

16-c. If you have a plan, is it shared in a publicly viewable Web site for anyone to download any time?



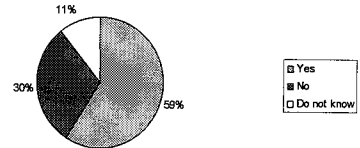
### Is it Working Effectively?

16-d. If you have a plan, is it working effectively?



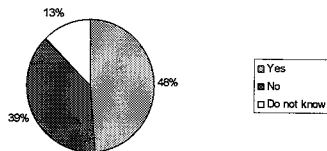
### Does it Address Online Learning?

16-e. If you have a plan, does it address online learning?



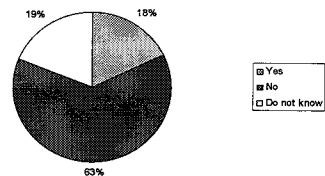
### Does it Address Blended Learning?

16-f. If you have a plan, does it address blended learning?



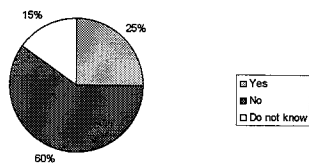
### If Yes, Does it Lay Out a Model?

16-g. If you have plan and it addresses blended learning, does it describe or lay out a specific learning model or framework for your organization?



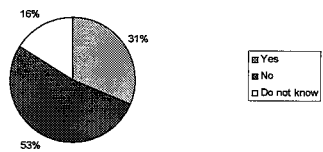
### Does Your Organization Need Strategic Planning Advice?

16-h. Does your organization need strategic planning advice regarding blended learning?



### Does Your Organization Need Any Other Blended Learning Advice?

16-i. Does your organization need any other type of advice related to blended learning (e.g., design, development, implementation, evaluation, etc.)?



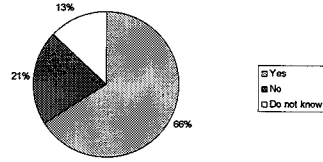
## Does Your Organization Need Any Other Blended Learning Advice?

Internationally, 47 percent need advice on BL design, development, implementation, or evaluation. This too would be lucrative area for consulting!

24% UK  
21% USA  
52% Korea  
69% Taiwan  
77% China  
47% Overall

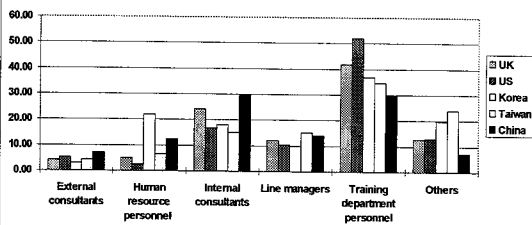
- The percent of organizations evaluating the quality of blended learning in China (35%) and Taiwan (20%) is significantly lower than other countries.
- UK (66%), USA (66%), Korea (62%)

17. Does your organization evaluate the quality of blended learning courses?



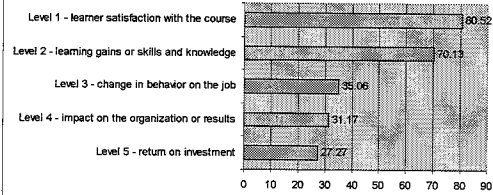
## Is Yes, Who is the Primary Evaluator?

18. If you answered "Yes" to the previous question who is the primary evaluator of the program?



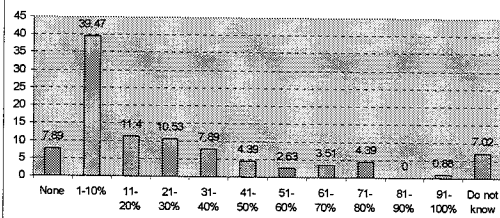
## If Yes, Evaluate BL at What Levels?

19. At what levels does your organization evaluate blended learning? (check all that apply)



## Percent Currently Blended?

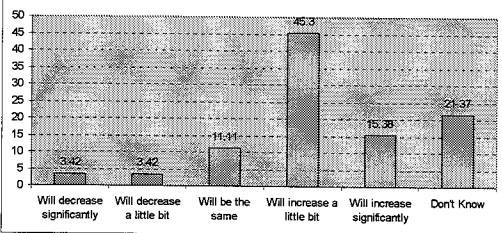
20. What percentage of the training in your organization is currently devoted to blended learning?



Findings II:  
The future State of  
Blended Learning

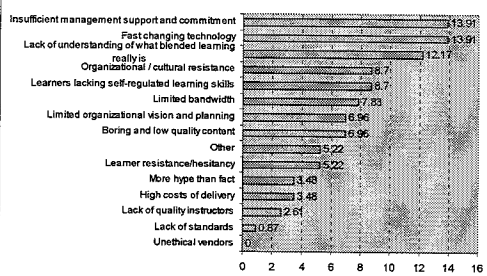
• China increase the lowest (47%); Korea highest (84%); UK second (75%). (Note: USA was 61% and Taiwan was 63%)

22. How will your organization's spending on blended learning change during the next few years?



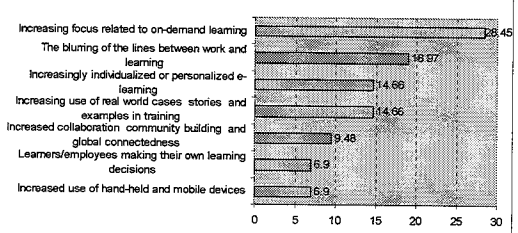
### Most Significant Issue or Problem with

23. From the perspective of your organization, what is the most significant issue or problem with blended learning that must be addressed during the next few years?



### What will Spur the Growth of BL?

24. Which of the following will spur or promote blended learning the most in the next few years?



• What will spur BL varies greatly by country:

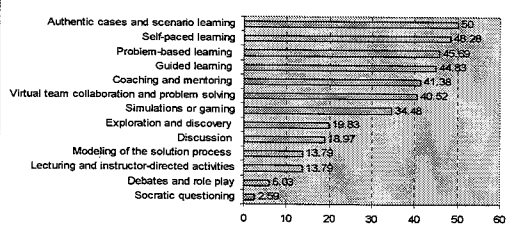
	Connected Inc. collab	Hand-Held/ Mobile	On Demand Lrng	Stories/ Real Cases
US	9	7	28	15
UK	12	7	23	9
Korea	13	10	23	15
Taiwan	26	2	9	35
China	31	6	9	23
Overall	17	7	23	18

• What will spur BL varies greatly by country:

	Personalized E-Learning	Employees Make their Decisions	Blurring Work-Learning
US	15	7	19
UK	15	17	16
Korea	8	17	13
Taiwan	11	8	8
China	6	15	8
Overall	12	14	14

• Authentic learning environments, coaching, simulations, virtual teaming, collaboration, and PBL within BL will be emphasized in the coming years.

25. Please check up to 4 of the following instructional approaches or strategies that will become more widely used in blended learning during the coming decade.



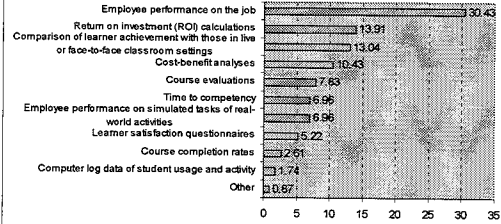


- Knowledge management tools were ranked as the key technology among five countries for the next few years; highest in Korea (36%).

	LCMS	E- RLO	Phone/ Sim	Mobile	Webcast/ Streaming	
27	21	10	10	10	10	UK
22	23	9	5	5	25	US
36	3	12	8	8	8	Korea
31	3	6	14	6	6	Taiwan
29	5	21	17	3	3	China
29	12	12	10	10	10	Overall

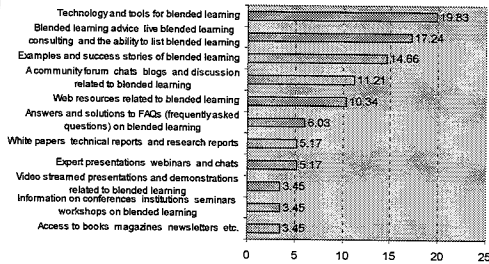
## How to Measure the Quality of Blended Courses?

28. How will the quality of blended learning be most effectively measured during the coming decade?



## What Would You like in a BL portal?

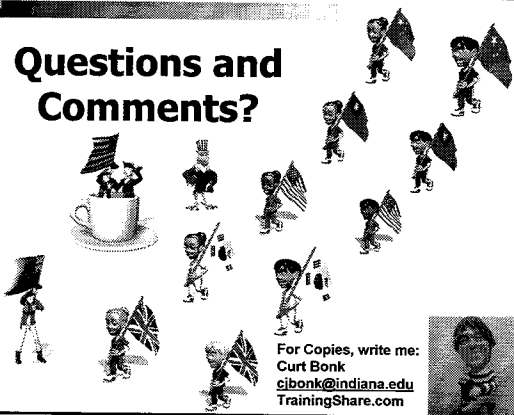
29. What would you like the most in a blended learning portal?



## Conclusions/Implications

- Increasing popularity & importance of BL
- Needs for training and HRD professionals on guidance on what BL means and how to implement BL in their organization
- Fast changing technology as one of the most significant issues in implementation of BL
- More collaborative, authentic and interactive instructional strategies and emerging technologies will impact the delivery of BL in coming years
- USA less likely to strategically plan for blended learning, share plans, or develop BL models.

## Questions and Comments?



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[TrainingShare.com](http://TrainingShare.com)

