INNOVATION

Frontiers of Design





CESARONI DESIGN®

chicago · santa barbara

cesaroni.com





IDSA

Publisher

Roxann Henze IDSA 45195 Business Ct., 250 Dulles, VA 20166 P: 703.707.6000 x102 F: 703.787.8501 roxannh@idsa.org www.innovationjournal.org

Executive Editor

Alistair Hamilton, IDSA Principal, DesignPost arh@designpost.com

Advisory Council

Gregg Davis, IDSA Mark Dziersk, FIDSA

Managing Editor & Designer

Karen Berube K.Designs 3511 Broadrun Dr. Fairfax, VA 22033 P: 703.860.4411 k.designs@cox.net

Contributing Editor

Jennifer Evans Yankopolus

Advertising

Katie Fleger IDSA 45195 Business Ct., 250 Dulles, VA 20166 P: 703.707.6000 x104 F: 703.787.8501 katief@idsa.org advertising@idsa.org

Annual Subscriptions

Within the US \$60 Canada & Mexico \$75 International \$110

Single Copies (Fall/Yearbook)

US, Canada & Mexico \$25 International \$35

Single Copies (Spring, Summer, Winter)
US, Canada & Mexico \$17
International \$28

The quarterly publication of the Industrial Designers Society of America (IDSA), *Innovation* provides in-depth coverage of design issues and long-term trends while communicating the value of design to business and society at large.

FRONTIERS OF DESIGN

- 25 The Brave. The Bold. The Crazy. by Chris Hosmer, IDSA, guest editor
- 26 Balancing the Emic and the Etic: *An Ethnographer of Design Reflects on Design Ethnography* by Joachim B. Lyon
- **31 Consider This:** *Designing for Emerging Markets* by Dan Edwards and Geoff Waite
- 35 Empowering the Next Wave of Change Makers:

 A Conversation with Kiran Sethi of the Riverside School
 India by Chris Hosmer, IDSA
- 41 Creative Collaboration at the Frontier by Kevin Grady
- 44 Designing Science by Viren Jain
- 48 Living in Beta: Prototyping China by Chris Hosmer, IDSA
- 54 A Life-Changing Opportunity: *Embedding Design within* an *Indian Nonprofit* by Ramsey Ford and Kate Hanisian

FEATURES

- 14 The Industrial Design Rx for Health Care: New Frontiers in Design by Aidan Petrie, IDSA
- **18 Inspirations from the Past:** *American Design & Style Trends* by Tony Kawanari, IDSA
- **22 Design Is to Doing as Learning Is to Thinking** by Doris Wells-Papanek, IDSA

IN EVERY ISSUE

- 4 From the Executive Editor by Alistair Hamilton, IDSA
- 7 Letters to the Editor
- 8 Commentary by Bill Buxton
- 10 Book Review by Mark Dziersk, FIDSA
- 11 A Look Back by Carroll Gantz, FIDSA
- 58 Showcase: Design Concepts

PATRONS OF INDUSTRIAL DESIGN EXCELLENCE

INVESTOR

IDEO, Palo Alto, CA; Shanghai, China; Cambridge, MA; London, UK; San Francisco; Munich, Germany; Chicago; New York

Masco, Taylor, MI

Procter & Gamble, Cincinnati, OH

CULTIVATOR

Altitude, Somerville, MA

Cesaroni Design Associates Inc., Glenview, IL

Continuum, Boston; Los Angeles; Milan, Italy;

Seoul, South Korea; Shanghai, China

Crown Equipment, New Bremen, OH

Dell, Round Rock, TX

Design Concepts, Madison, WI

Eastman Chemical Co., Kingsport, TN

Hewlett-Packard, Palo Alto, CA

IDI/Innovation & Development Inc.,

Edgewater, NJ

Jerome Caruso Design Inc., Lake Forest, IL

Lextant, Columbus, OH

Lunar Design Inc., Palo Alto, CA

Metaphase Design Group, St. Louis, MO

Nokia Design, Calabasas, CA

Smart Design, New York; San Francisco;

Barcelona, Spain

Stanley Black & Decker, New Britain, CT

Teague, Seattle, WA

Tupperware, Worldwide

Whirlpool Corp., Benton Harbor, MI

Charter Patrons indicated by color.

For more information about becoming a Patron and supporting IDSA's communication and education outreach, please contact Dawn Hatzer at 703.707.6000 x119.



Cover photo: iStockphoto

Innovation is the quarterly journal of the Industrial Designers Society of America (IDSA), the professional organization serving the needs of US industrial designers. Reproduction in whole or in part—in any form—without the written permission of the publisher is prohibited.

The opinions expressed in the bylined articles are those of the writers and not neces-

The opinions expressed in the bylined articles are those of the writers and not necessarily those of IDSA. IDSA reserves the right to decline any advertisement that is contrary to the mission, goals and guiding principles of the Society. The appearance of an ad does not constitute an endorsement by IDSA. All design and photo credits are listed as provided by the submitter. Innovation is printed on recycled paper with soy-based inks. The use of IDSA and FIDSA after a name is a registered collective membership mark.

Innovation (ISSN No. 0731-2334 and USPS No. 0016-067) is published quarterly by the

Innovation (ISSN No. 0731-2334 and USPS No. 0016-067) is published quarterly by the Industrial Designers Society of America (IDSA)/Innovation, 45195 Business Ct., Suite 250, Dulles, VA 20166. Periodical postage at Sterling, VA 20164 and at additional mailing offices. POSTMASTER: Send address changes to IDSA/Innovation, 45195 Business Ct., Suite 250, Dulles, VA 20166, USA.

©2011 Industrial Designers Society of America. Vol. 30, No. 2, 2011; Library of Congress Catalog No. 82-640971; ISSN No. 0731-2334; USPS 0016-067.

Advertisers' Index

- 9 2011 IDSA International Conference
- c2 Cesaroni Design
- 1 LaFrance Corp.c4 NewDealDesign
- c3 PTI
- 6 solidThinking
- 5 Stratys



By Chris Hosmer, IDSA

CHosmer@continuuminnovation.com

Chris Hosmer directs Continuum's China office and serves on the company's global leadership team helping guide growth throughout the Asia region. He has a particular interest in emerging market innovation and specializes in leading both global and local teams to create meaningful consumer propositions.

Prototyping China

LIVING IN BETA



FRONTIERS OF DESIGN

The plan was to design the business after a careful immersion in the local market researching the client base and understanding the competition. Like any strategic design project, we would start with an experiential discovery phase, figuring out who we wanted to target and what type of business model would make the most sense. Then we'd devise a way to enact a relevant service offering, build a network of partners and mine the region for talent.

I came to Shanghai to build the China business in April 2009, and I've realized that my experience starting up a creative consultancy exactly mirrors, and sometimes pales next to the millions of other Chinese entrepreneurs who are all endeavoring to create value and sustain a living in this hyperdynamic market. They've let me in on a common secret in China—something that homegrown entrepreneurs know by heart and practice as a matter of habit: Mutate the business to match the market because everything is a prototype.

Ready, Set, Go

Ready is the guy I buy my handmade shoes from in Shanghai, and his cousin owns a shoe factory south of the city. Ready is the first to admit that he doesn't know much about shoes, but he is an expert at knowing how to respond to, and increasingly anticipate, demand. His small one-room shop is a showroom of all the latest: Prada, Gucci, Varvatos, Ferragamo. Besides making copies of well-known brands, he also takes suggestions from customers, who sometimes want to make small changes here or there or to try their hand at designing their own shoes. He then incorporates these user-created designs, some horrible, some amazing, back into his catalog.

Last time I visited Ready, one entire wall of shoes had been replaced by women's handbags. He explained that since his customers' wives are always waiting around for the men to get fittings and pick shoes, he wanted them to have something to choose, as well. Rather than women's shoes, which seemed more difficult, he decided on bags. He described his first handbags as "horrible," but customers quickly began giving him tips to improve his designs—some

even started designing bags themselves and using Ready's cousin's factory as a private manufacturer. Ready's next step? Recognizing that enough customers are interested in the process of handcrafted shoes, he's offering tours to his cousin's factory and charging his mostly foreign customers a premium for getting a piece of the provenance story. He's already booked four trips this month. This is also his fourth business—the first three didn't work out as well as this one. Ready is 19 years old.

Observing these local business owners, some of them only teenagers, introduced an early spark of inspiration that made me wonder if the studied, deliberate strategy I had planned on was overkill and that perhaps Ready was the one we should be learning from. Immersing in street-level entrepreneurship also solidified my larger suspicion that China is a leading indicator for other emerging markets when it comes to sheer bottom-up innovation.

The following insights and observations—cultural, corporate and consumer—gathered during the first formative years of operating in China continue to inform the way we incorporate local market thinking and behaviors into our global practice.

Better All the Time

In China, few consumer conceits resonate better than better. "Practice makes perfect" reigns in the Western Hemisphere, but in China it's "There is no best, there is only better." Originally popularized by a domestic refrigerator brand, this phrase has permeated the cultural consciousness and now holds more meaning that it ever did as a commercial slogan. Better expresses many meanings for and about Chinese culture, not the least of which is humility. In continually striving to be better, one of the noblest pursuits, there will always be a brighter tomorrow, a more secure and stable life, a more productive society and a happier outlook.

"Better City, Better Life" was the official tagline for the 2010 World Expo in Shanghai, and it perfectly captured the zenith of optimism about China's ascendance on the world



Ready and his handbag designs, some of which were even designed by his customers.

stage. In preparation for the Expo, Shanghai transformed its footprint: widened old streets, added three new subway lines, increased the number of buses and taxis and repaved much of the city's thoroughfares, including the historic Bund artery. In transportation alone, the city got noticeably better. You could literally feel the ground under your feet changing.

"Good, Better, Best" doesn't translate well as a positioning strategy in China because many consumers don't aspire to have the best and they are not interested in good. Better has more resonance than best because, as one of our respondents in a laptop study told us, "If I have the best already, then I can only go down from there. That's why I prefer 'better'—I know it's always improving." While most mature consumer markets around the world are experiencing a post-positioning shift in branding and product creation, China is still enjoying a plethora of new brands, product categories and novel offerings. The

message still matters as much as, or sometimes more, than the product itself and better is a key message to design for.

"Better value for money" is one of the most-repeated phrases on the streets of China. When consumers talk about better, they mean that something has improved performance or added functionality. This is more prestigious or offers something extra, like a free-trial product or a combo-pack. But better is most certainly not cheaper. A less expensive product merely means that it is not as good as something else of similar pedigree. The price of something is *the* defining feature of any consumer product in China's tier 1 and 2 markets. So many of the best brands have realized that it's better to give something away than to lower the price.

Understanding better as a comparative and relative concept is also a good consumer segue into understanding how consumers grasp the value of brand meaning.



Prototyping Meaning in China's Consumption Laboratory

Many foreign brands in China have long since realized that their very identities can be, and often must be, recontextualized for the China consumer. After all, what the brand stands for globally and what it means to local consumers may take on completely different, and sometimes unintended, meanings.

Brands, foreign and domestic, are increasingly taking control and reinventing aspects of their messaging, identity and offerings in different channels, media and markets within China. You can see this in foreign lifestyle and fashion magazines, fast food chains and consumer electronics brands. Domestically, many personal-care and home-care categories are regionally customized. It has led to an amazingly fragmented and noisy marketplace where consumers have had to look for relevance beyond brand name and price as indicators of quality.

But it has also liberated some very well-known global brands that are not as known for innovating in their home

markets. Disney, for example, decided to prototype a beta business focused on English language learning for early school-age children. Combining Disney's treasured archive of character and story assets with an immersive, experience-based learning curriculum resulted in a breakthrough new education model that has supplanted existing rote learning methods for language education. Disney English has grown to 22 schools in less than two years and doesn't show any signs of slowing.

Disney was able to cross over into a completely new business by getting creative about how to deliver the imagination experience in a new and relevant way. The Disney slogan "Where Dreams Come True" resonates with affluent young Chinese parents who recognize that the rigidity of the education system in China may be limiting for their single child's future aspirations—and their own. Disney English is an example of innovated-in-China and so far exists only here. The business innovators in China are channeling what is meaningful to consumers and creating hybrid offerings that promise new value.

All too often we hear the story of *shanzai* culture, where outright copying has unfortunately been the defining story of China's global contribution. But experimentation, iteration and sampling are core to how creators work. Starting with something, copying it, smashing it, building on it, combining it with other things and seeing what happens when it comes out the other end is what leads to interesting variations and sometimes unexpected breakthroughs. It is the story of innovation. Sooner or later it will also be the story of China's ability to re-create better than anyone. There is no better beta laboratory in the world than China right now to recombine, re-source and recycle meaning.

This ground-up innovative spirit that leads to the promise of a better tomorrow and the experimenting with meaning that leads to brand reinvention are vital ingredients for China to emerge as a world-leading innovator. The final ingredient is an appetite for failure at an organizational level.

Failing to Win

There is a noticeable tension in the way many larger organizations in China approach innovation because they often attempt to innovate without acknowledging experimentation as a critical input to the creative process, something Ready does instinctively and Disney English does deliberately. This hints at the larger truth prevalent in China that failing is ultimately antithetical to succeeding. Making a mistake, miscalculating or being wrong is the worst thing that can happen because it leads to a loss of face.

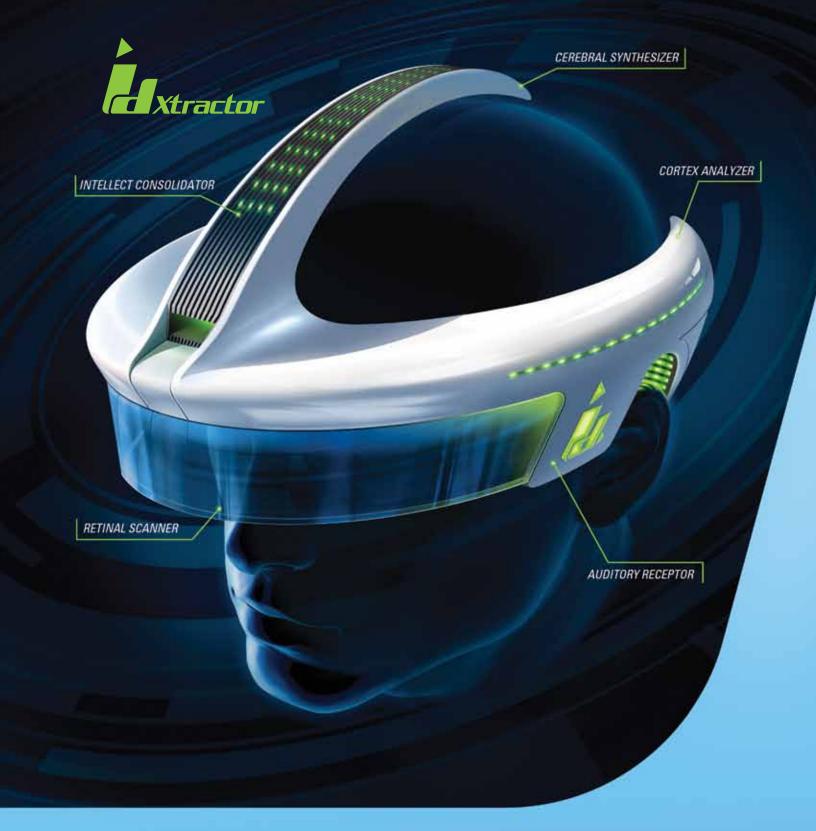
The network effect of *guanxi*, or maintaining relationships, makes losing face a very real fear for many Chinese and may inhibit a culture of trial and error within the corporate structure. But increasingly, China's enterprises are realizing that for innovation to become the engine of growth that the government's 12th five-year plan has set forth, they must focus more on getting the inputs to the innovation process right than on concentrating only on the outputs. Building a nation of innovators means shifting innovation from being a technical *process* to being an organizational *practice*.

It is convenient to think of innovation as a linear stepby-step process, but in practice it is much more cyclical and chaotic requiring a collaborative and creative intelligence to manage successfully. Failing is not the goal. Rather, the goal is to try to experiment, to fiddle and tinker and to build and test. That incremental failure nets success is counterintuitive, but, ultimately, getting to better requires a beta ethos. Innovators value failure mainly because it reveals opportunity.

Accelerated Evolution

China's massively rapid commercial change reflects a nation-in-beta. It's apparent in the way brands and consumers play out the real-time tug-of-war between value and meaning but also in the way that businesses, big and small, design their processes and offerings in an accelerated way. I believe China is an emerging innovator of the first order because people like Ready are mutating small businesses everywhere and, in the process, writing China's future as a creative consumer laboratory. Witnessing the hyperevolving street-level entrepreneurship has been as instructive as participating in the innovation efforts at the other end of the spectrum—the semiprivate corporations, state-owned enterprises, multinational corporations and joint ventures of every kind.

The same way ethnographers look for lead users to uncover extreme needs and inspire nonobvious solutions, Continuum looks upon China as the market that will teach it more about innovating than any other place on earth. Because it is extreme in almost every sense, China affords us the opportunity to experiment and forces us to be highly adaptable. But it also means that we must embrace the vulnerability that accompanies an accelerated marketplace lest we succumb to believing that what has worked so far will continue to work. We came to China to embrace the future; to prototype new ways of working, new tools, new collaboration models and new businesses, something Continuum advocates often to its clients and now is doing for itself.



OUT OF YOUR MIND, DESIGN

Introducing the IdXtractor! A PTI Design original, the IdXtractor is a system we've been perfecting for over 25 years. It is comfortable and non-invasive, only takes minutes to use and provides a lifetime of essential data. Shared with the likes of flying cars and time machines, the IdXtractor is a virtual mind reader, capable of guiding your idea from mind to manufacturing. To learn more, visit us at teamptidesign.com

50900 Corporate Dr., Macomb MI 48044 | 586.203.4700 | teamptidesign.com



