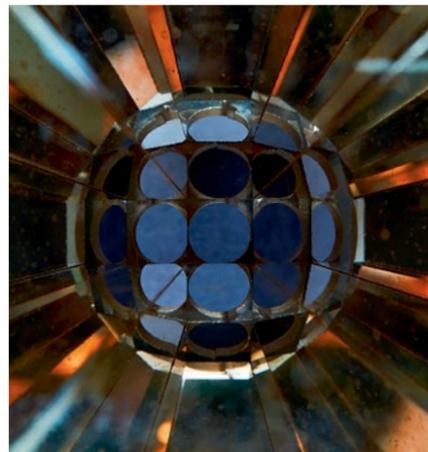


What are Hot Solar Cells?

Improving on traditional solar panels, whose limitations in terms of power conversion efficiency—the amount of solar energy that they can convert into usable electricity—has been stuck at about 25% for over 15 years, hot solar panels use inventive engineering and advances in material science to capture far more of the sun's energy; theoretically, they could double the efficiency of conventional solar cells. MIT researchers have been experimenting with an entirely new process for converting sunlight into usable energy. The technology first converts sunlight into heat and then back into light. The MIT-developed device relies on something called an “absorber-emitter,” which essentially acts as a light funnel above the solar cells. The absorbing layer is made out of solid black carbon nanotubes that capture sunlight and convert it into heat. When temperatures reach approximately 1,000°C, the emitting



layer, which is made from photonic crystal, radiates the energy out as light, largely in bands that the photovoltaic cells can absorb. To further improve efficiency, a highly specialized optical filter reflects back the photons that cannot be used, in a process called “photon recycling.”

This method could represent a vastly dramatic improvement on currently available solar cells. Of course, the technology is still in its infancy: The device MIT researchers have developed is still a crude prototype and faces key downsides, including prohibitively costly components. The economics are expected to improve, and with further enhancements and developments, we could be looking not just at vastly improved conversion efficiency but also at thermal storage systems that could efficiently store the sun's energy for later use. With current estimates putting availability for this technology at ten to fifteen years, hot solar panels just might prove to be the bright, efficient future of solar power.

Sources
www.technologyreview.com
www.smithsonianmag.com

Hard Rock Cafe Athens

Situated in the heart of the city's historic center, around the corner from Monastiraki metro station and just a few minutes' walk from both Syntagma Square and the Acropolis, the new Hard Rock Cafe Athens is a favorite with both locals and visitors to the city. Open 09:00-01:00 and serving food 09:30-00:30, it boasts a menu jam-packed with mouth-watering options. Start your day with a maple-drizzled short stack, English or American breakfast, treat yourself to an original Legendary® Burger for lunch, and tuck into a rack of hickory-smoked ribs or a perfectly cooked filet of Norwegian salmon for dinner. Vegetarian options include the famous veggie fajitas and crisp buffalo style cauliflower “wings.” Hard Rock Cafe Athens also boasts a gorgeous atrium, exclusive gift shop, impressive rock memorabilia décor, and an award-winning drinks menu with some of the best cocktails in town. A city-center favorite, Hard Rock Cafe Athens can also accommodate groups and special events and can be booked for private functions.



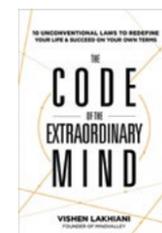
Hard Rock Cafe Athens
52 Adrianou Str., 105 55, Monastiraki, T: 210 324 5170
www.hardrock.com/cafes/athens/

THE BUSINESS BOOK SHELF

The Code of the Extraordinary Mind

10 UNCONVENTIONAL LAWS TO REDEFINE YOUR LIFE AND SUCCEED ON YOUR OWN TERMS

BY VISHEN LAKHIANI



The Code of the Extraordinary Mind, a New York Times bestseller, is a blueprint of laws to break us free from the shackles of an ordinary life. It makes a case that everything we know about the world is shaped by conditioning and habit. And thus, most people live their lives based on limiting rules and outdated beliefs about pretty much everything—love, work, money, parenting, sex, health, and more—which they inherit and pass on from generation to generation. But what if we could remove these outdated ideas and start anew? What if we could redefine what happiness, purpose, and success mean for each of us? From reality bending and consciousness engineering, the book teaches readers to think like some of the greatest non-conformist minds of our era, to question, challenge, hack, and create new rules for their own lives so that each can define success on their own terms. Blending computational thinking, integral theory, modern spirituality, evolutionary biology and humor, personal growth entrepreneur Vishen Lakhiani provides a revolutionary ten-point framework for understanding and enhancing the human self. This is based on his personal experiences, the five million people he's reached through Mindvalley, and 200 hours of interviews and questions posed to incredible minds, including Elon Musk, Richard Branson, Peter Diamandis, Ken Wilber, Dean Kamen, Arianna Huffington, Michael Beckwith, and other legendary leaders.

TRAVELOGUE

IKARIA – WHERE LIFE TAKES ITS TIME



Eccentric, idyllic, pristine—Ikaria is a gem among Greek islands. Located next to Samos, in the eastern reaches of the Aegean Sea, it is named for Icarus, the son of Daedalus in Greek mythology, who was believed to have fallen into the sea nearby after flying too close to the sun. The island has a mountainous interior dotted with small traditional villages, while larger villages and stunning sandy beaches adorn its north and south coasts. It is best known for the exceptional longevity of its inhabitants, which is generally attributed to the local diet, active lifestyle, and the island's tentative relationship with the very ideas of time and stress. With heaps of character and an irresistible relaxed vibe, Ikaria is a great destination for anyone looking to kick back and enjoy a truly relaxing holiday. **WHAT TO DO:** Visit the Chapel of Theoskepasti at Theoktisti Monastery, catch one the island's panygiria (traditional feasts), go hiking in the island's lush interior, and go for a swim at Livadi, Nas, and Seychelles Beach. **WHERE TO EAT:** Marymary in Armenistis, Artemis Restaurant-Café in Nas, Sto Kambi in Agios Dimitrios, Arodou in Xilosirtis **WHERE TO STAY:** Villa Kionio in Fanari, Ikarian Winery in Pigi, Erofilii Beach Hotel in Armenistis, Oliveland House in Raches

Jargonaut

ALPHA GEEK

The most tech savvy person within a group, who, once identified, becomes the go-to for all problems, issues and advice when it comes to technology

BOUNCE RATE

The percentage of visitors to a website who leave the website quickly without really looking at it

DEAD-TREE VERSION

A printed document or publication, the hard copy, as opposed to an electronic version

HUGE PIPES

A high-bandwidth internet connection

IDEAVIRUS

An idea, usually coming from a single person, that spreads through various networks like the internet and grows rapidly within a target population

MEATWARE

The human element that along with hardware and software is required to operate a computer system

RADAR SCREEN

The range of interests that a company or individual is focused on

WEAPONIZED PATENT

A patent filed with the intent of using it to sue competitors who are developing similar technologies