



Bolja Civilizacija, Zelena Energetika i Hrvatska Mreža Inženjera

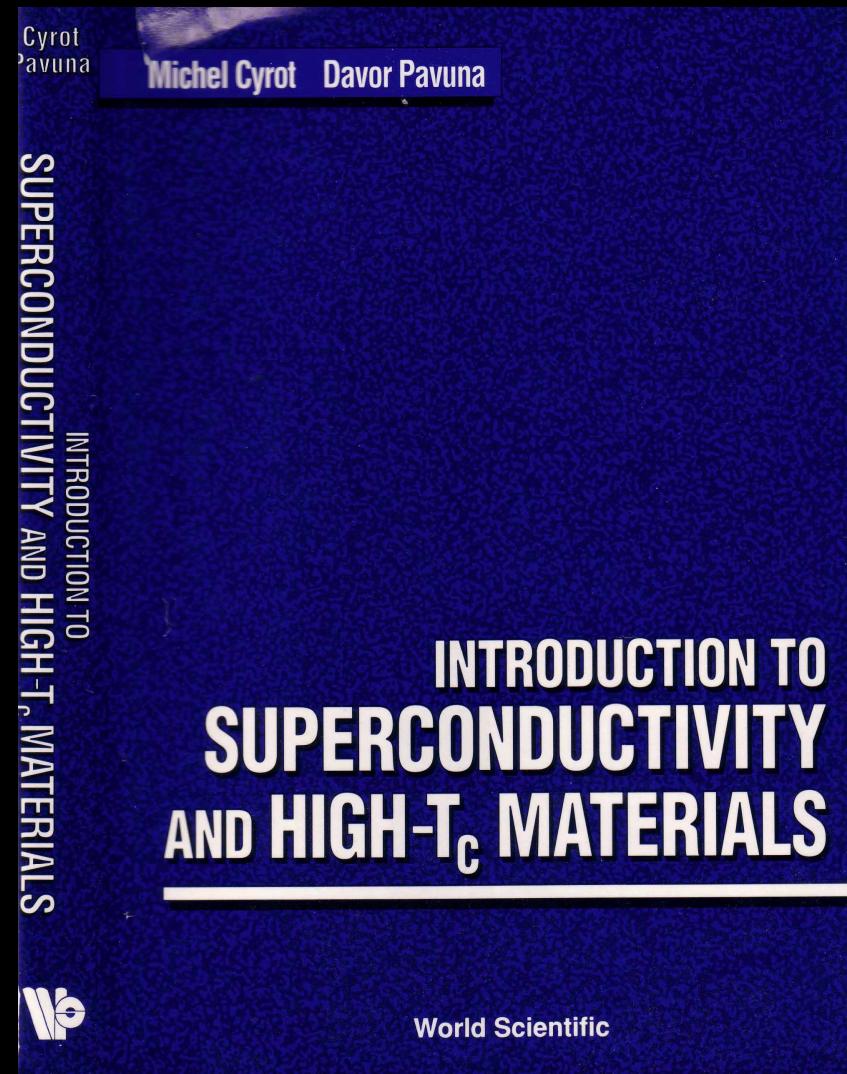


1. Univerzalnost Univerzuma

2. Bolja Civilizacija = Zelena Energetika

3. *Mreža Inženjera !!!*

Introductory Superconductivity Textbook (1992):



About the Book

"... an introductory text, with a unified, balanced point of view, is of considerable value. This is what Cyrot and Pavuna have produced. Their book still requires a significant effort for a genuine beginner, but it can be studied step by step. It sets up delicate compromises between the opposite dangers of dogmatism and oversimplification."

from the foreword by P G de Gennes

What sets this book apart from others on the introduction to superconductivity and high- T_c materials is its simple and pragmatic approach. The authors describe all relevant superconducting phenomena and rely on the macroscopic Ginzburg-Landau theory to derive the most important results. Examples are chosen from selected conventional superconductors like Nb-Ti and compared to those of high- T_c materials. The text should be of interest to students and researchers in all branches of science and engineering, with the possible exception of theoretical physicists, who may require a more mathematical approach.



The Yamanashi MLX01 MagLev train.

Uses for Superconductors

Magnetic-levitation is an application where superconductors perform extremely well. Transport vehicles such as trains can be made to "float" on strong superconducting magnets, virtually eliminating friction between the train and its tracks. Not only would conventional electromagnets waste much of the electrical energy as heat, they would have to be physically much larger than superconducting magnets. A landmark for the commercial use of MAGLEV technology occurred in 1990 when it gained the status of a nationally-funded project in Japan. The Minister of Transport authorized construction of the [Yamanashi Maglev Test Line](#) which opened on April 3, 1997. In December 2003, the MLX01 test vehicle (shown above) attained an incredible speed of 361 mph (581 kph).

From Solid State To BioPhysics V

INTERNATIONAL Conference - including Biophysics Summer School



fotolia

From Physics To Life Sciences
June 12 - 19, 2010.

HOTEL "CROATIA", CAVTAT, DUBROVNIK, CROATIA

Sponsored by: Croatian Ministry of Science, Education and Sports / Biozon-Croatia & Dubrovnik Diocese (Croatia) / Creativity & development network - MRAK / Indigo Plavo

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Deadlines:
Abstracts: 15th April 2010
Registration : 1st May 2010

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École Polytechnique Fédérale de Lausanne (EPFL) Switzerland

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<http://dubrovnik2010.epfl.ch>

Integrated Life

Univerzalnost:

PHYSIS = PRIRODA

10⁷

10,000 km

**Sjeverna
hemisfera Zemlje,
i dio južne
Amerike**



10¹³

10 Biliona km

S ove
udaljenosti na
našem
putovanju
možemo
promatrati
solarni sustav i
orbite planeta.



10²²

1 Milion svjetlosnih godina

S ove nepojmljive udaljenosti možemo vidjeti Via-Lactea (Mliječni Put) i ostale galaksije...



**10^{23} = 10 Miliona
svjetlosnih godina**

Sve galaksije sada
izgledaju maleno s
nezamislivo velikim
praznim prostorom
između.

Isti zakoni vladaju
svim dimenzijama!



10⁻⁶

1 mikron

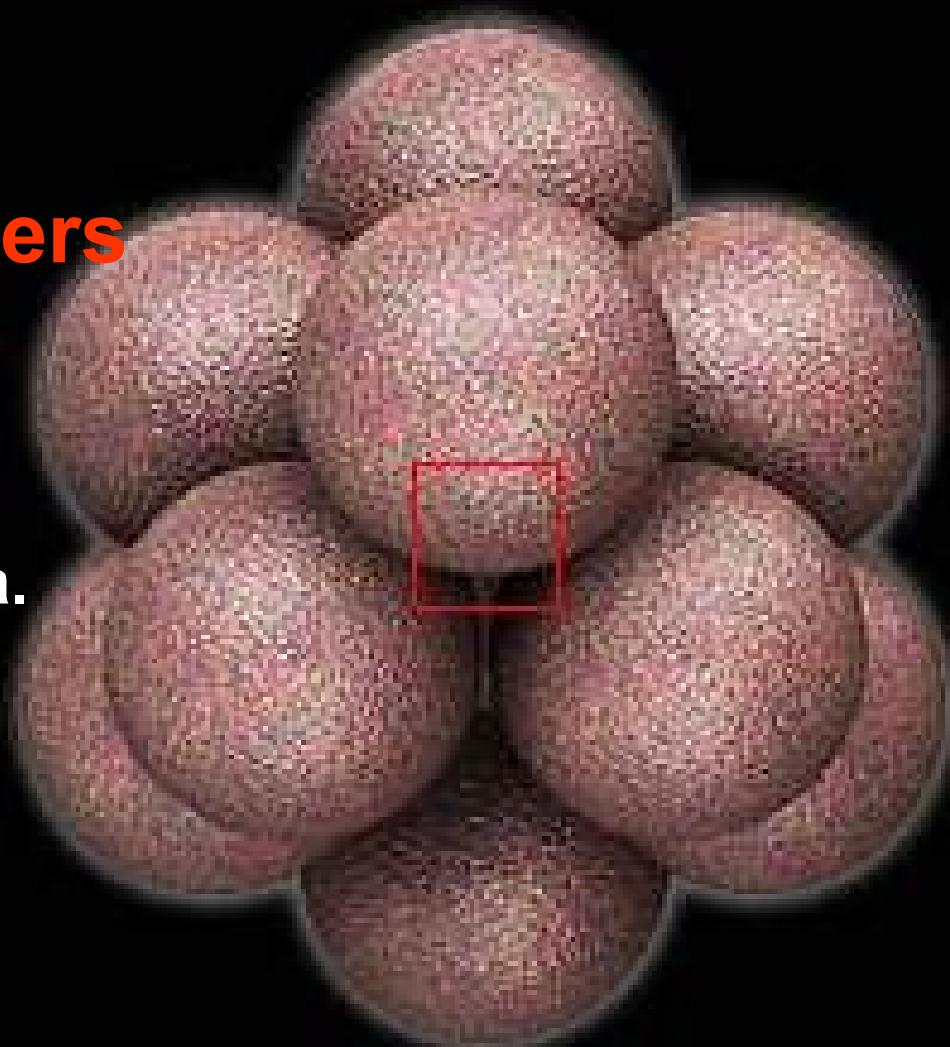
Jezgra
stanice je
vidljiva.



10⁻¹⁴

10 Femtometers

Sada možemo
vidjeti jezgru
ugljikovog atoma.



10⁻¹⁶

100 Attometara

quarkovi

**Ni ovdje nije
‘granica’ ...**



Savršen Univerzuum :

Zakon (Informacija) Energija

“Civilizacija”

Plastične vrećice truju tlo i vodu.



CNN.com/technology, 16.prosinca 2007.

Posljedica: mikroskopske otrovne
čestice ulaze u hranidbeni lanac.



CNN.com/technology, 16.prosinca 2007.

Beijing imposes car ban to ease traffic jams

(Xinhua)

Updated: 2008-09-28 16:37



Comments(14)



Print



Mail



10^8
100,000 km

A Zemlja ?



Japan Catastrophe (2011)



Radiation leak: The devastated Fukushima nuclear plant



Pluća Zemlje

Before it's too late. wwf.org



24.01.2010. | 12:06

PRVI PUT U LJUDSKOJ POVIJESTI

Ratovi: voda prestaje biti javno dobro

Korak bliže besmislu civilizacije bit ćeemo kad na Zemlji počnu ratovi za vodu. A počet će kad vode - uz zrak i more jedini kemijski spojevi koji su od početka ljudske povijesti bili dostupni svima – postanu privatno vlasništvo. Velike korporacije već su u biznisu, vrijednost vodnih usluga će od 280 milijardi dolara 2001. godine, u 2010. godini dosegnuti 640 milijardi dolara, čime se taj sektor stavlja uz bok najbogatijima, farmaceutskoj i informatičkoj industriji.

Takvu priliku nisu propustile megalitrike poput "Monsanta", "Bechtela", "Suez Lyonnaises"... Princip je jednostavan: u sklopu zajmovnih uvjeta, Svjetska banka i MMF obično traže još i vodnu deregulaciju te privatizaciju. Pa ako imaš duga kao Hrvatska, od 42,76 milijardi dolara, vidjet ćeš kako ćeš odbiti zahtjev.

Eventualno se može odgoditi na neko vrijeme, ali nakon što su na bubanj otišle banke, naftna industrija i turizam, na redu su elektroprivreda i autoceste, a voda je prvo sljedeće na što pada šapa zajmodavaca. Pritom im neće promaknuti da je Hrvatska bogata čistim i zdravim vodama kakvih je sve manje na planetu.



Zelenija Zemlja i Energetika

*Svakog trena
na Zemlji primamo 2000 puta
više energije od Sunca
nego li trošimo!*

Solar Energy in the Sahara to Power Europe Gains Support

by Matthew McDermott, New York, NY  on 07.22.08



SAD: 99% NAFTA !

*SAD 2009+:
+30% pro solar*



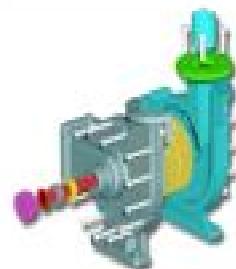
*SAD 2010:
+50% za
Zelenije Tehnologije*

Clean Water Everywhere:
H-O-H: Hydrogen Motors
& Free Oxygen !!!

PROJECTS

GLOBAL INSTITUTE FOR NEW ENERGY TECHNOLOGIES

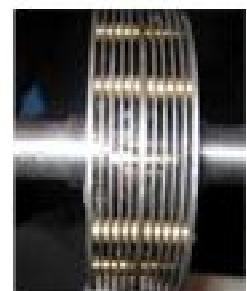
TESLA TURBINE PROJECT



In February 2004, GIFTNET entered into a close co-operation with the Nikola Tesla Museum in Belgrade with the aim to re-construct a series of Tesla Disc Turbines based on Tesla's original plans and drawings.



Following lengthy restorations and study of more than 500 original plans found in the basement of the Tesla Archives, GIFTNET organized an international team of engineers, technicians, mathematicians and other scientists around the world. This co-operation resulted in three proto-types (Tesla Pump, Tesla Water Motor and Tesla Gas-Turbine).



Numerous tests were performed with encouraging results. However, little is still known about the boundary layer dynamics in the disc turbine, and the work is now progressing for the development of a mathematical model in order to enable us to define the ultimate and exact geometry of the turbines where size, nozzle design, disc profile, casing and much more, are in perfect balance.



Dernières nouve... ▾

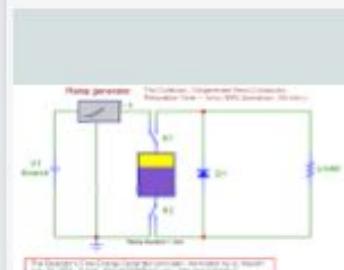
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or New E...

[>CFR TUTORIAL](#)[>READ MORE](#)

ATOMIC HYDROGEN GENERATOR

The Moller Atomic Hydrogen Generator (MAHG) is fully based on Irving Langmuir's discoveries in dissociation of Molecular Hydrogen to Atomic Hydrogen. In the MAHG, the hydrogen is merely dissociated and recombined and Hydrogen is therefore recycled over and over again with no Hydrogen consumption other than the initial quantity.

[>READ MORE](#)

SOLID STATE ELECTRICAL GENERATORS

Recently, various solid state electrical generators have experimentaly demonstrated that Zero Point Energy can be harnessed from the Vacuum of Space to produce clean and an alternative energy sources.

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Bill Gates' TED Speech 2010: 'We Need Energy Miracles'

First Posted: 02-12-10 07:56 PM | Updated: 02-13-10 09:35 AM



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Inspiring Enlightening Infuriating Scary Helpful Amazing Innovative Adorable

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Getty



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Microsoft founder Bill Gates took on climate change during his TED speech Friday. He told those gathered at the conference that "What we're going to have to do at a global scale is create a new system... So we need energy miracles."

To cut CO2 emissions to zero and stop climate change -- a problem that he said is bigger than creating new vaccines -- Gates urged researchers to find clean sources of energy. [CNN reports:](#)

Gates said the deadline for the world to cut all of its carbon emissions is 2050. He suggested that researchers spend the next 20 years inventing and perfecting clean-energy technologies, and then the next 20 years implementing them.

WORLD POPULATION DENSITY MAP

N

www.mapsofworld.com

LEGEND

| |
|--------------------|
| 0 - 05 |
| 05 - 15 |
| 15 - 30 |
| 30 - 60 |
| 60 - 100 |
| 100 - 150 |
| 150 - 300 |
| 300 - 1000 |
| Above 1000 |
| Person per sq. km. |

0 2500 5000 Km
0 1250 2500 Miles

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Beijing

Shanghai



EUROPE

Political Map



Hrvatska Danas ?

‘Tanker’ prepun rupa

1'300'000 kvazi-zaposlenih

BND : 40 milijardi €uro

Maksimalni rast od oko 2-3% godišnje

Google: > \$100bn / yr

20'000 zaposlenih

Profit do \$1'000'000 po zaposlenom

Nije ni postojao 1991 !

BOLJA Hrvatska:

> 1.5% Inženjera !

3% Umreženih Znalaca

u ČISTOM Okolišu

≈ 100'000 umreženih u ekonomiji znanja

Software, obrtničke tehnologije ...

Umrežimo izuzetne jer ih imamo (planetarno)

Nadrasti mrežu mediokriteta !

Budućnost ?

... jest u nama !