

Meet Indian Physicists

Raja Ramanna: An inspiring leader (1925 – 2004)

Raja Ramanna, born in Mysore, had a deep love for music, literature and physics which he retained throughout his life. After completing his intermediate studies and graduation in South India, he pursued his doctoral degree in the field of nuclear physics at King's College, London. Trained primarily in nuclear physics, Ramanna was accomplished in design and technology.

Ramanna spent most of his life working for India's energy and security programmes. He held several prestigious positions, such as, Chairman, Atomic Energy Commission; Director, Bhabha Atomic Research Centre; Scientific Advisor to the Minister of Defence; Director-General, Defence Research and Development Organisation and Secretary for Defence Research, Government of India.



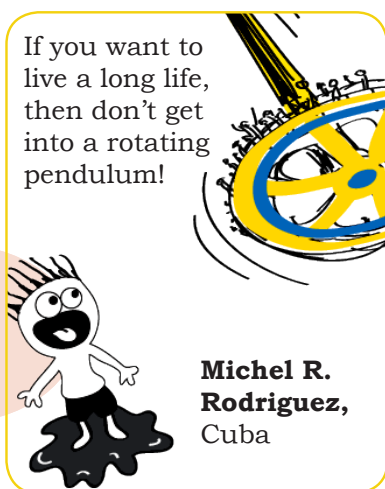
His important contributions are in the fields of neutron, nuclear and reactor physics, and in creating a large pool of scientific human resource. Apart from being a meticulous administrator and an inspiring leader, he was also a gifted musician and a scholar of Sanskrit literature and philosophy!

Image Source: DAE website

* HAPPY *
* BIRTHDAY *



Francisco J. Ayala Falcón
Mexico (Observer)



If you want to live a long life, then don't get into a rotating pendulum!

Michel R. Rodriguez,
Cuba

Yesterday's SUDOKU Solution

Ω	β	φ	α	Δ	γ	θ	π	λ
λ	γ	Δ	θ	β	π	Ω	φ	α
π	θ	α	λ	Ω	φ	β	Δ	γ
θ	π	β	Δ	φ	α	γ	λ	Ω
φ	Ω	λ	π	γ	θ	Δ	α	β
Δ	α	γ	Ω	λ	β	φ	θ	π
β	φ	θ	γ	π	λ	α	Ω	Δ
γ	Δ	π	φ	α	Ω	λ	β	θ
α	λ	Ω	β	θ	Δ	π	γ	φ

Team Cyprus



got musical at Imagica



Knowing people from all over the world and seeing my old friends from previous Olympiads made this visit awesome!

Daniel Sierra Botero
Colombia

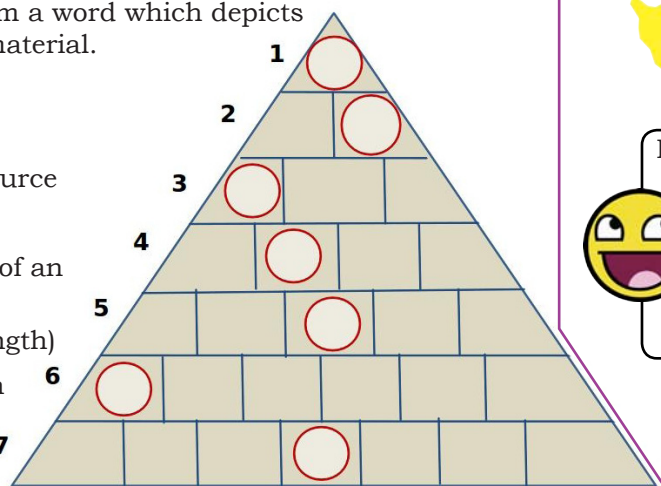
The clock that has the maximum number of moving parts



WORD PYRAMID

Each clue below helps you solve the respective row in the word pyramid. Once you get those words, pick out only the circled letters. Unscramble them and form a word which depicts nature (or property) of a material.

1. Square Root of E/M
2. Area of an unit circle
3. Energy efficient light source
4. Bends light
5. Has 1/3 or 2/3 charge of an electron
6. (L-Lo)/ Lo (where L= length)
7. Differing factor between Deuterium and Tritium



"Pick a flower on Earth and you move the farthest star"
Paul Dirac

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Today's Attraction

Mahindra Vehicle Manufacturing Plant (Students)

In 1945, before India's Independence three entrepreneurs – J.C. Mahindra, K.C. Mahindra and Ghulam Muhammad, joined hands to start a steel company in Mumbai, named Mahindra and Mohammed. After Independence, Ghulam Muhammad left the company to become the first finance minister of Pakistan and the Mahindra brothers moved into manufacturing vehicles and re-named the company- Mahindra and Mahindra. Predicting the importance of the role of transportation in the economic growth of the nation and its citizens, the company has focussed on producing vehicles suitable to Indian roads. International collaborations have resulted in the growth of this multinational company to become a corporation worth more than 16 billion US dollars, employing more than 200,000 people across the world.

The Chakan plant of the company, near Pune, came up in 2007. It is an attempt to integrate the best practices in technology, environmental sustainability, social responsibility and operational excellence. The facility spread across a large expanse has planted about 10,000 trees and offers a flexible and eco-friendly manufacturing layout for a diverse range of automobiles. Mahindra and Mahindra produces multi-purpose vehicles (MPVs), sport utility vehicles (SUVs) and other vehicles including an electric car called *Reva*.

Today, you will get to witness the actual "behind the scenes" of car and truck manufacturing. We hope you enjoy your visit to a car industry in India.

Image Source: <https://www.flickr.com/photos/spenceyc/7481166880>



DID YOU KNOW?

Mumbai's suburban local trains transport about 7.5 million commuters a day. That is approximately equal to the entire population of Norway, Estonia, Montenegro and Suriname travelling by train on a single day!

Image Source: <https://www.flickr.com/photos/43423301@N07/5367542608>

Today@IPhO

Leaders: IB Meeting, 0900 hrs followed by Moderation Session. IB Meeting continues at 2100 hrs

Students: Excursion to Mahindra Car & Truck Factory, Chakan, Depart at 0615 hrs



Weather Forecast

Temperature
Max: **33°C / 91.4°F**
Min: **28°C / 82.4°F**

A few spells of rain could occur
Source: Regional Meteorological Centre, Mumbai



Cultural evening

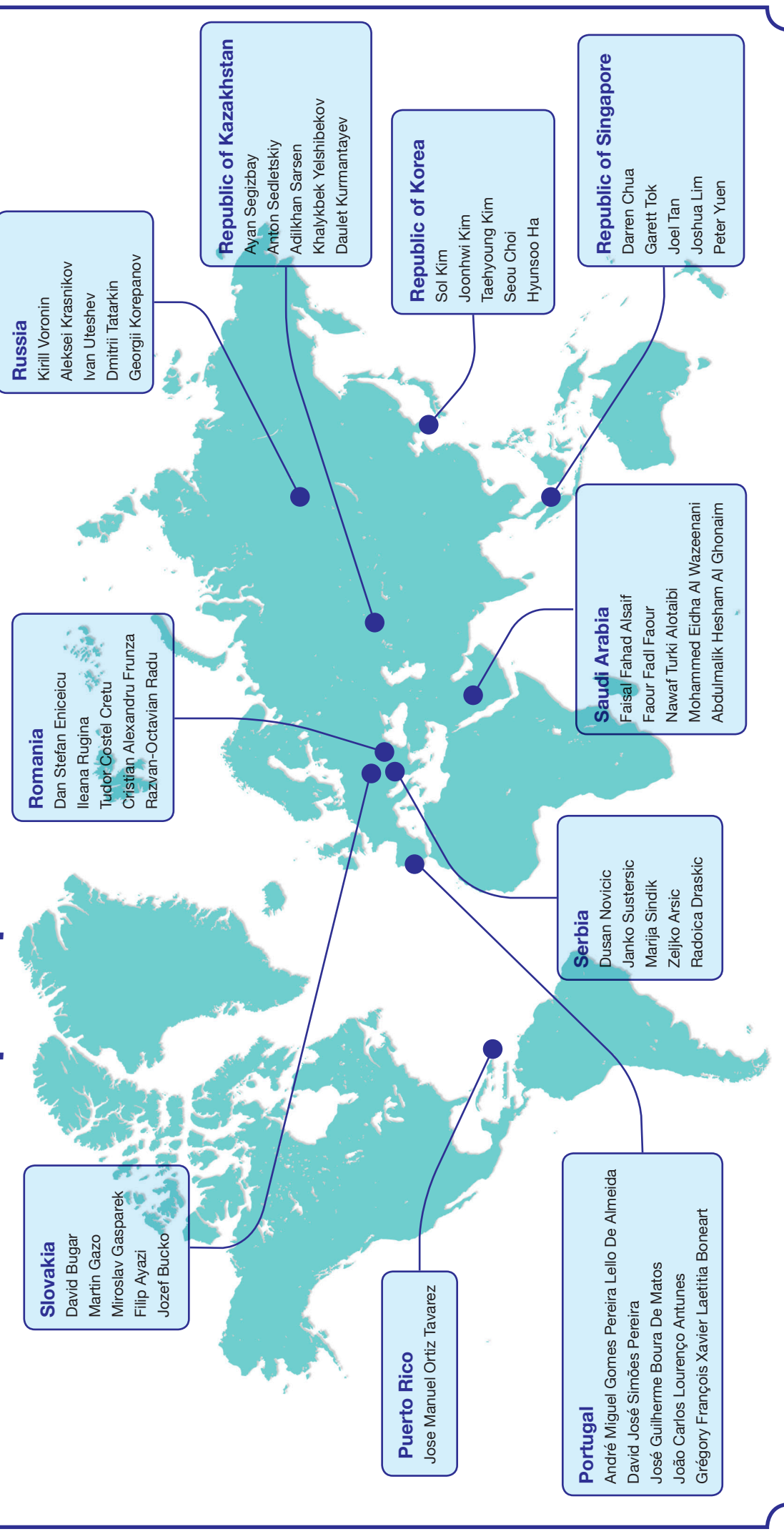


Fun at Imagica!



Visit to the lock factory

Rendezvous with IPHO participants



The haunted fortress of Salingarh is still giving me the chills!
Soriya Theang
Cambodia

Animation at Imagica is really good.
Team Hong Kong

I was so stressed out with the exam and now I am like
wooooooooooooooooooo...
Imagica is fun!
Tserenchimeg Khasgerel
Mongolia

South Mumbai was very hot but we liked the sea shore at TIFR. Today it was excellent. It was my first time ever on a roller coaster! My dream came true!
Aizada Nurdinova & Temirlan Ulugbek Uulu
Kyrgyzstan

This is the nicest place we have been to, until now, though I don't like to stand in queue!
Tsereteli Giorgi
Georgia

