



EP MAGAZINE

OFFICIAL SITE

<http://epmagazine.org>

made by

RICK HILKENS

EPM OFFICIAL SITE

The screenshot shows the EPM Magazine website with a blue header and a globe on the left. The main content area is divided into several sections:

- Header:** "EPM Magazine" logo, "Share on Facebook..." with social media icons, and a navigation menu: "Projects/about Participants EPM Meetings Magazines Search Links Home".
- Sub-navigation:** "Editorials 14-16 17-19 University Green Energy News Other".
- Left Sidebar:**
 - > Extra:** Log-in, Guestbook (new), Official forms.
 - > Language:** Flags for Turkey, Romania, Greece, Bulgaria, Hungary, and the EU.
 - > News archive:** News February 2012, News December 2011, News November 2011, News October 2011, News September 2011, News August 2011, News June 2011, News May 2011: Kastamonu.
- Main Content Area:**
 - > Welcome at EPM Magazine:** "Welcome to the EPM Magazine official website: a site about the history of science and technology including green energy seen through the historical or evolutionary point of view published jointly by universities and secondary schools." "We wish you will enjoy the possibilities offered by our sites and by the articles, all written by students of all over the WORLD! Through those articles you might boost your knowledge of the scientific/technological world and discover things you never would believe they existed. Moreover, you may also take part to the project EPM, if you wish, writing articles which will be published both on our websites and Multimedia CD." "Webmaster :: Date: 6/24/2009 12:00 PM :: Pageviews: 68301".
 - > New articles:** "Green Energy: What waste really means? 11/4/2011", "Math: When scientists are playing 11/4/2011", "News: News February 2012 3/3/2012", "News: Official forms 2/8/2012", "News: News December 2011 1/5/2012", "News: News November 2011 12/17/2011", "News: News October 2011 11/4/2011". "Last updated: 3/27/2012".
 - > Brain Waves, Julia, can you hear me?:** "The official winner of EPMAward is Cem Kayikçi the author of Brain Waves. To official score after removing non legitimate votes is:"
 - Brain Waves 69%
 - The adventure of camera 24%
 - Concrete 1%
 - Mathematics & Philosophy 6% "Read the article." "Last updated: 01/05/2011".
 - > EPMeeting Romania:** "• 26 days remaining (603 hours)". Includes a group photo of participants. "EPMeeting Kastamonu:"
 - Kastamonu program
 - Kastamonu weblog
 - Updated with 6th day picture galleries "Previous meetings:"
 - Sofia 2010 Weblog
 - Pictures experiments Bucharest
 - Bucharest 2010 weblog "Last updated: 1/05/2011".
- Footer:** "© Hilken dev. 2005-2012, European Pupils Magazine — contact — legal notices" and "Socrates" logo.

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> Newest articles

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To be or not to be... renewable: fuel cells
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> Issues EPM --> Issues

On this page you can browse through the printed issues and view them. [Other content](#)
Please see this [page for the 2003/2004](#) articles.

2011, 1st issue



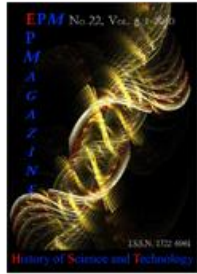
2011, 2nd issue



> Latest issue



2010, 1st issue



2010, 2nd issue



2010, 3rd issue



> Issues

On this page you can browse through one printed issue and view it.

Year: 2011

Issue: 2

Title: History of science and technology

This magazine consists of the following articles:

17-19: [The Life of Hermann Oberth](#) 4/17/2012

An article about Hermann Oberth's...

17-19 (Chemistry): [Benzene and its evidence](#) 4/12/2012

Article about benzene and its...

17-19: [Relation between Sun and Earth](#) 4/17/2012

An article about the relationship between Sun and...

17-19 (Science): [Nikola Tesla and Modern Civilization](#) 4/13/2012

An article about Nikola Tesla and Modern...

17-19 (Chemistry): [The Structure of Benzene](#) 4/12/2012

An article about the structure of...

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An article about wind parks in...

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News about Greeks trip to Kastamonu,...

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University: [Nuclear Timeline and Nuclear Power Plants](#) 4/18/2012

An article about nuclear timeline and nuclear power...

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> The Life of Hermann Oberth

EPM → 17-19

Romanian

Born in Sibiu, Hermann Oberth has been, besides the Russian Konstantin Tsiolkovski and the American Robert Goddard, one of the three founder fathers of the Rocket Science and Astronautics.

Ever since he was 11, Hermann has discovered his passion for Jules Verne's books, especially for the novel "From Earth to the Moon" and "Travel Around the World", confessing that he had read the first one for multiple times, until he got to know it by heart.

This great man's adolescence and youth represent a very important time in his life, as his further achievements rely on the small experiments from those times. At the age of 14, he designed the sketch of a rocket, suggesting the use of liquid fuel for this type of interplanetary vehicle.

Hermann Oberth has realised that, although the rocket fuel is consumed, by this, the weight being reduced, there still remains a tank which contained the consumed fuel, this no longer being useful from the functional point of view, thus Oberth getting to invent, without knowing the step by step fuelburning concept.

In 1922, his master degree on the Rocket Science was rejected, being considered utopian. Oberth was a critic of the educational system of that time, comparing it with a car with headlights turned backwards, lacking a future vision.

In 1923, Hermann Oberth published the book "The Rocket in the Interplanetary Space", and, in 1929, "Ways of Travelling through Space". In the years 1928-1929, Hermann worked in Berlin, as a scientific consultant, at the first action film from history, which was taking place in space: "The Women from the Moon" and which had an enormous success in the popularization of the new rocket science.

In the autumn of 1929, Hermann Oberth launched his first rocket with liquid fuel, named *Kegeldüse*. Hermann was assisted by the students from the Technical University from Berlin, Wernher von Braun was also among them in these experiments. For building the first biggest rocket in the world, named A4, but, nowadays, known better, under the name V2, there were used 95 of Hermann Oberth's inventions and recommendations.

In 1938, the Oberth family moved away from Sibiu. Firstly they moved into Austria, where Hermann worked at the Technical College from Vienna, then they moved into Germany where



Fig. 1 Hermann Oberth



> Article written by

National High School Ion
Creangă, Bucharest, Romania
Karina Rotaru, Alina Neacșu

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> The Life of Hermann Oberth

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[English](#)

Născut la Sibiu, Hermann Oberth a fost, pe lângă savantul rus Konstantin Tsiolkovski și americanul Robert Goddard, unul dintre părinții fondatori ai științei rachetelor și astronauticii.

Încă de la vârsta de 11 ani, Hermann si-a descoperit pasiunea pentru cărțile lui Jules Verne în special "De la pământ la Lună" și "Călătorie în jurul lumii" pe prima măturisind că a citit-o de nenumărate ori, până a ajuns aproape să o știe pe de rost.

Adolescența și tinerețea marelui om de știință prezintă o importanță deosebită deoarece realizările lui ulterioare au la bază micile experimente din acele vremuri. La vârsta de 14 ani, el a elaborat schița unei rachete, preconizând folosirea combustibililor lichizi pentru acest tip de vehicul interplanetar.

Hermann Oberth a realizat că deși combustibilul rachetei se consumă, prin aceasta reducându-se masa rachetei, continuă totuși să existe un rezervor care conținea combustibilul consumat, acesta nemaifiind util din punct de vedere funcțional, el ajungând, fara a sti, să inventeze conceptul de ardere în etape a combustibilului.

În 1922, lucrarea sa de doctorat despre știința rachetelor a fost respinsă, fiind considerată utopică. Oberth a fost un critic al sistemului de învățământ al vremii, comparându-l cu o mașină cu farurile ațintite înapoi, lipsită de viziune de viitor.

În 1923, Hermann Oberth a publicat cartea "Racheta în spațiul interplanetar", iar în 1929, "Moduri de a călători în spațiu". În anii 1928-1929, Hermann a lucrat la Berlin în calitate de consultant științific la primul film din istorie cu acțiune care se desfășura în spațiu: "Femeile de pe Lună", care a avut un succes enorm în popularizarea noii științe a rachetelor.

În toamna lui 1929, Hermann Oberth a lansat prima sa rachetă cu combustibil lichid, numită *Kegeldüse*. În aceste experimente a fost asistat de studenți de la Universitatea Tehnică din Berlin, printre care se afla și Wernher von Braun. La construirea primei rachete de mari dimensiuni din lume, numită *A4*, dar cunoscută astăzi mai degrabă sub numele "V2", s-au folosit 95 dintre invențiile și recomandările lui Hermann Oberth.

În 1938, familia Oberth s-a mutat din Sibiu în Austria, unde a lucrat la Colegiul Tehnic din Viena, apoi în Germania, unde a lucrat la Colegiul Tehnic din Dresda, ajungând în final la Peenemünde (angajat sub numele fals *Fritz Hann*), unde Wernher von Braun construise deja racheta V2.

La sfârșitul războiului, Hermann Oberth lucra la complexul WASSAC de lângă Wittenberg, la racheta cu combustibil solid



Fig. 1 Hermann Oberth



> Article written by

National High School Ion
Creangă, Bucharest, Romania
Karina Rotaru, Alina Neacșu

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The KEY for the success!

The easier way to make **EPMagazine** known to everyone in the world is through the web-site, but too many people don't know **EPM** and its site.



Statistics

Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2012	2384	4207	22704	56528	407.89 MB
Feb 2012	2544	4385	26441	67615	494.42 MB
Mar 2012	3073	5133	34528	83872	604.27 MB
Apr 2012	1911	3438	27057	58421	434.06 MB
May 2012	0	0	0	0	0
Jun 2012	0	0	0	0	0
Jul 2012	0	0	0	0	0
Aug 2012	0	0	0	0	0
Sep 2012	0	0	0	0	0
Oct 2012	0	0	0	0	0
Nov 2012	0	0	0	0	0
Dec 2012	0	0	0	0	0
Total	9912	17163	110730	266436	1.90 GB



Our target?



IMPROVE IT!!!



Let's improve our OFFICIAL SITE!

We, all the Editorial Boards, need a contribution from everyone to improve the site in order to make it more useful for schools, teachers and students.

Our final target is to spread **EPM** to as many people as possible.



How?

- Founding mistakes and/or missed files/links;
- visiting, of course, the official site always:
- Giving suggestions about possible ways to improve Rick and Editorial's efforts.



Changes from last meeting.

From last **EPMeeting** there have been many changes in order to renew the online magazine.

The **data** maybe are wrong, so our due include to check them and communicate to Rick the proposed modifications.

> Participants








EPM → Participants

Editorial Boards

[Editorial Boards of EPMagazine](#) [List of all participants](#)

Participating organizations

Remark: not all institutions listed are officially involved as institution. From some institutions only students are involved on their own name, not on the institutions ones.

	Australia	Australian Catholic Univeristy	Brisbane
	Bulgaria	127 Ivan Denkoglu	Sofia
	Germany	Suttner-Schule, Biotechnologisches Gymnasium Landesgymnasium Sankt Afra	Ettlingen Meissen
	Greece	Experimental High School	Thessaloniki
	Italy	Liceo Boggio Lera University of Salerno	Catania Salerno
	Portugal	Escola Secundária de Amares	Amares
	Romania	Andrei Barseanu College of Brasov Transylvania University Mihai Bravu Technical College High School Ion Barbu Politehnica University of Bucharest Gh. Asachi Technical College Scoala cu clasele I-VIII Schitu National Institute for Lasers, Plasma and Radiation Physics	Braşov Braşov Bucharest Bucharest Bucharest Iasi Judetul Olt Magurele

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Experimental High School
Greece

Dimitrios

Mitsopoulos

board

Elli

Arapi

board

G

Vagenas

board

Konstantinos

Kardamiliotis

board

Koralia

Kontou

board

Kosmas

Touloumis

board

Loukas

Mettas

board

Marilena

Zarfdjian

board

Nikos

Georgolios

board



Liceo Boggio Lera
Italy

Angelo

Rapisarda

board

Fabrizio

Lo Certo

board

Ginevra

Scibilia

board

Laura

Patané

board

Timothy

Dakin

board



Mihai Bravu Technical College
Romania

Crina

Stefureac

board



Transylvania University
Romania

Alexandru

Ion

board

Andreea Nicoleta

Moldoveanu

board

Elena

Helerea

board

Horia

Pop

board

Serban Gabriel

Gorcea

board

Silvia

Trandafir

board

Vasile Catalin

Scripca

board



Politehnica University of Bucharest
Romania

Badut

Alexandru

board

Cristina

Lacatus

board

Loredana-Elena

Terzea

board

Mihai-Adrian

Sopronyi

board

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	127 Ivan Denkoglu <i>Bulgaria</i>	Kamelia	Raicheva	contrib
	Landesgymnasium Sankt Afra <i>Germany</i>	Isabel Jens Katrin Lars Nick	Zhang Vichweg Kröger Berscheid Pawlowski	contrib contrib, coop contrib contrib contrib
	Experimental High School <i>Greece</i>	Dimitrios Elli G Konstantinos Koralia Kosmas Loukas Marilena Nikos	Mitsopoulos Arap Vagenas Kardamiliotis Kontou Touloumis Mettas Zarfdjian Georgolios	board board board board board board board board board
	Liceo Boggio Lera <i>Italy</i>	Andrea Angelo Fabrizio Ginevra Laura Luigi Timothy	Zhang Rapisarda Lo Certo Scibilia Patané La Magna Dakin	webmaster board board board board webmaster board
	Escola Secundária de Amares <i>Portugal</i>	António Manuel Carlos Duarte Afonso Daniel Araújo Flavia Vieira Gabriel Filipe Cracel	da Mota Almeida Pereira Barros Barbosa Dantas	contrib contrib contrib contrib contrib

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June 2, 2011
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> Romania 2012 Weblog

Photo gallery and presentations

- [Photo gallery \(updated with pictures of 24-4\)](#)
- [Presentation: Mada's project](#)

Report 22 April

Hello, everyone. I'm Andrea and I'm going to be your reporter for this week.

Today we, the Italian Editorial Board, will fly to Romania in order to take part to the 16th [EPMeeting](#). It will be held in Brasov, the first two days, and then it will continue in Fagaras.

Everyone was excited before the departure for this imminent meeting with peoples of other nationality. We arrived in Bucharest in the afternoon and then we went to Brasov by car. The weather was not too bad, the sun was shining; I expected a cloudy weather without a single ray of sun, but my expectations were wrong.

Finally we arrived at the University of Brasov in the evening; we visited part of the building and then we went to the dormitory.



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Report 23 April

Good morning, everyone. How do you feel today?

Today we are going to start our talks, which we have prepared a few weeks ago.

First we went to have breakfast in a fast food with sandwiches and tea. Then we went to the University Library to open the meeting. After the welcome speech we started with the presentation of the talks as you can see in the [EPMeeting](#) Program.

Everyone has talked about a different subject, about own nationality, [EPM](#) or something else. We started with the presentation of the participants' schools; then we continued with the talks about the past of [EPM](#), like the topic from Kastamonu to Brasov-Fagaras on the work done and not done since the last [EPMeeting](#), and present, like the official site that you're using at the moment.

At midday we visited the library: the reading area, the main room for the conferences, the printing factory, and so on. Then we went to have lunch.

After that we took a bus to reach Mircea Cristea High School, where we continued with the talks about the

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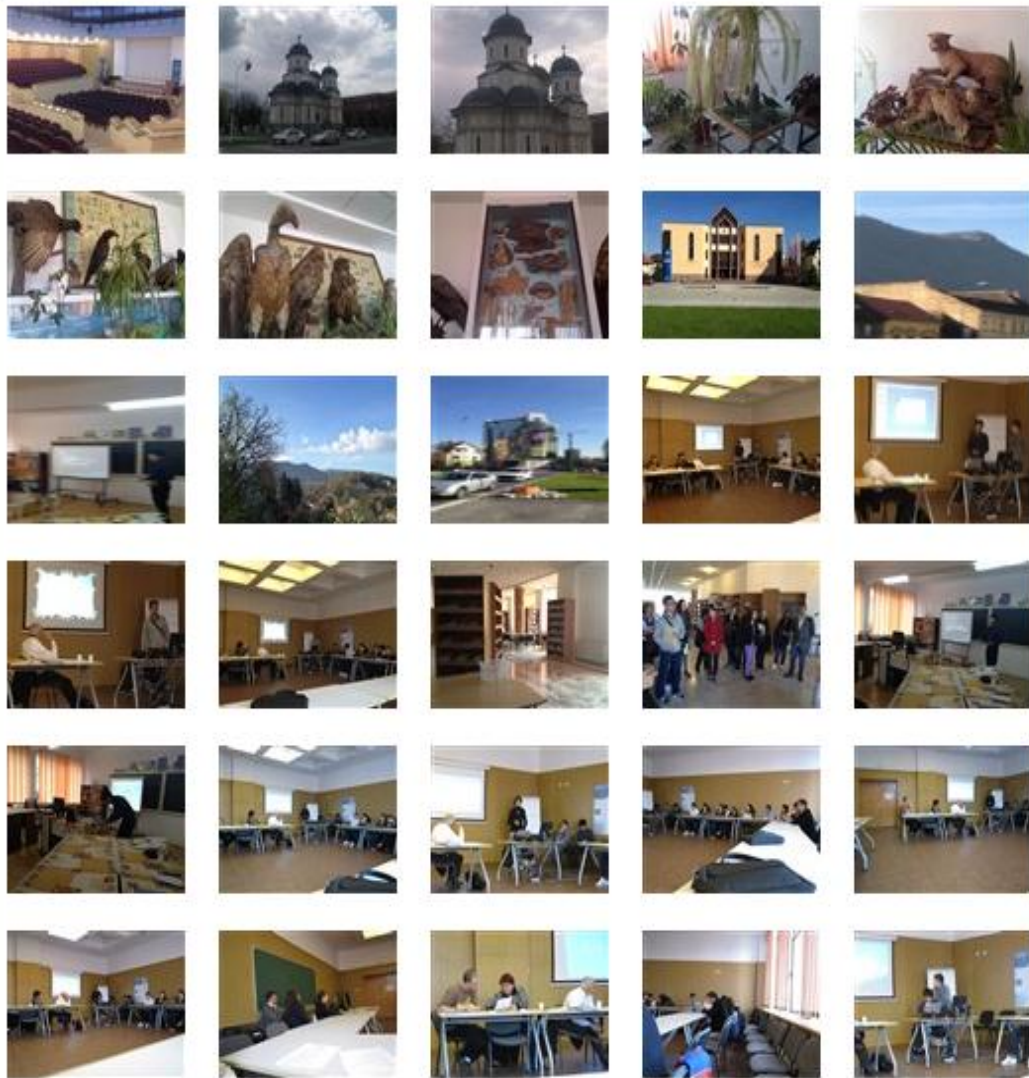
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> Meeting Romania, set 1 and set 2

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Things not improved yet

For example ...

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> Guestbook

EPM → Guestbook

Give here your opinion about the EPM. The guestbook has been renewed. Now you'll see the latest posts on all articles. You can click on a link to go to an article. When you click 'new post', you'll give a reaction to the corresponding article. Remember that rude language will be deleted immediately. Posts need to be in English!

Give your reaction:

New post > Guestbook

Poster: **Santo** Date: 16-11-2011 Time: 13:31

☹️Allo aim from catania end ai wont to nou au tu du de bibliogrfr for thi megasin

Poster: **Rick** Date: 3-6-2011 Time: 17:30

Our website is again UP-TO-DATE. I wish you a lot of pleasure reading the site!

Poster: > **bob** < Date: 15-4-2011 Time: 06:41

> cool <

New post > Romanian Oil Discovery and Exploitation

Poster: **ANGELO** Date: 10-10-2011 Time: 21:30

dear ann: do you wish to write something as reaction to the article? We could try to publish it on a news page. Kindly let me know it replying both here and to ganges@alice.it. ciao. angelo

Poster: **Ann Wulff** Date: 19-9-2011 Time: 17:09

☹️ Just to let you know that I am working with the Basgan family to recuperate the royalties for the patent on the invention of Ion Basgan that has not until this day received one USD and it is not right at all !

New post > Sofia 2010 Weblog

Poster: **Sevda** Date: 27-11-2010 Time: 19:41

Hello Nation ☹️ I think this project should be repeated (Germany,?taly,Greece ...) ☹️ Hope to see you again ..

Poster: **Şenol** Date: 26-11-2010 Time: 21:54

I met really great people and visited a nice town..

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Conclusions

There isn't an end for the improvement of a site because day after day there is always something new.

News are necessary in order to generate a dynamic site and not a static and boring one.

It isn't nice if the official site is always the same but if the site is always update with photos, videos, articles, and so on, it is nicer and a lot of people will go in the official site.



Conclusions

We hope that all of you will contribute to the improvement of our web-site sending pictures, reports to:

epmagazine.it@gmail.com

And finally... visit the official site!!!



Questions???



END