



«Spacehack» - онлайн каталог космических проектов

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<https://te-st.org/2013/08/06/spacehack/>

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SPACEHACK a directory of ways to participate in space exploration

data analysis distributed computing education open source competition

LHC@home
particle physics distributed computing
By donating your computer's idle time, you can help particle physicists study the nature of dark matter, antimatter and mass in our universe. LHC@home is a distributed computing project that helps scientists compare theories with experiments in the search for new fundamental particles. By contributing spare...
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Night Rover Challenge
rovers competition
A competition to create innovative energy storage for lunar rovers to use during their 14-day-long lunar night. Energy storage solutions will be tested in temperatures as low as -177 Celsius and as high as 25 Celsius. Phase 2 of the competition will also expose energy storage solutions to low pressures in addition to...
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Exploration Design Challenge
radiation human spaceflight
NASA is asking high school students in the U.S. to research and help design new ways to protect astronauts from space radiation. As NASA begins to map out ways for humans to explore asteroids and Mars, they need to develop ways to protect astronauts from radiation during these distant travels.
[Read more >](#)

Planet Four
mars climate
Unearth secrets about Mars' climate by scouring the Martian surface for distinct features and blotches. Detecting these features helps build a knowledge-base around the wind's direction and speed on Mars. Knowing more about the wind on Mars and how it changes and evolves over time actively helps build a...
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PolAres
mars human spaceflight
A Mars analog research program led by the Austrian Space Forum (ÖSWF), a volunteer space organization based in Austria. The PolAres program aims to develop strategies for human-robotic interactions in preparation for a future human-robotic Mars surface expedition. The Austrian Space Forum collaborates with...
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Citizens In Space
satellites competition
Ever dreamed of being able to launch something into space? Through Citizens In Space, you could be one step closer to making that dream a reality. The project has an open call for experiments that could be launched on board a CubeSat, a type of small satellite. There's room for approximately 100 of these small...
[Read more >](#)

Milky Way Project
galaxies data analysis
A project where you can help create a better understanding of how the Milky Way evolves over time and potentially make new unexpected scientific discoveries. The Milky Way Project aims to sort and measure our galaxy and the characteristics of its cold, dusty material that is so important to creating stars.
[Read more >](#)

Einstein@Home
stars distributed computing
An effort to discover new neutron stars (massive stars that have collapsed under their own weight) and hopefully directly detect one of Albert Einstein's predictions for the first time: gravitational waves. Directly detecting these ripples in the curvature of spacetime would open up a new window on the universe...
[Read more >](#)

SETILive
extraterrestrial life data analysis
Help search for life on another planet by analyzing potential alien signals coming from within our galaxy. SETILive is taking the Search for Extraterrestrial Intelligence (SETI) directly to you by presenting radio frequency signals LIVE from the SETI Institute's Allen Telescope Array (ATA) while it's pointed at stars...
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На сайте «Spacehack» представлены самые интересные и масштабные космические проекты, в каждом из которых пользователь может самолично принять участие: исследование космического пространства, робототехника, или, скажем, строительство собственного телескопа за пару сотен долларов.

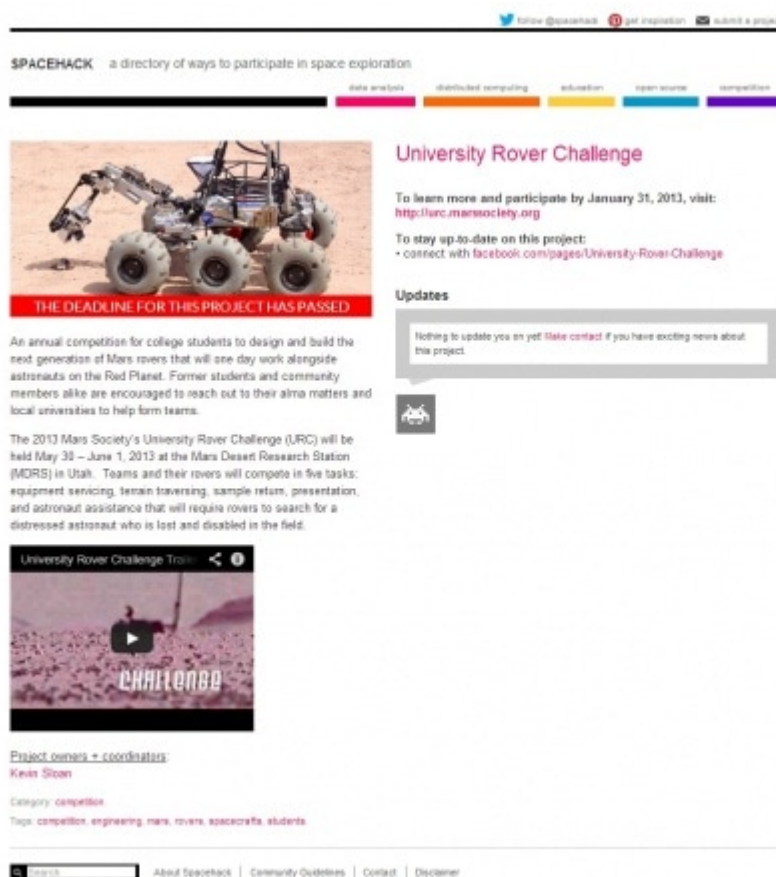
Космос – это олицетворение будущего, хранилище тайн и загадок. Интернет сокращает расстояние между людьми и звездами, предоставляет пользователям возможность принять участие в масштабных исследованиях и внести свой вклад в развитие научной мысли.

Подобная модель сотрудничества выгодна для обеих сторон: ученые пополняют базы данных, пока участники расшифровывают снимки их космоса и обогащают свои знания. Примеров краудсорсинговых научных проектов много, но большинство из них пропадают на безликих государственных сайтах и в пучине Интернета. Площадка «Spacehack» создана для того, чтобы объединить существующие проекты и предоставить пользователю простой способ приобщиться к любому из них.

Сайт был создан в 2008 году, отчасти благодаря инициативе НАСА, изложенной в отдельном законопроекте о привлечении общественности, частного и некоммерческого сектора, неправительственных организаций к научным исследованиям. Создатель «Spacehack» – Ариэль Вольдман, сотрудница «Института Будущего», организатор «Science Hack Day», масштабного мероприятия, объединяющего ученых, дизайнеров, технологов для обсуждения конструктивных совместных идей и выработки планов по их реализации.

Так же как и «Mesh Cities» ресурс Spacehack собирает в одном месте проекты общей тематики но разного содержания. Отличие состоит в том, что в каждом из них пользователь может принять участие: исследование просторов космоса, наблюдение за небесными телами, робототехника... участники могут посетить виртуальный мастер-класс по строительству собственного телескопа.

Каждый проект на сайте имеет свой паспорт: краткое содержание, медиа-материал, ссылки. Организации и частные лица могут предложить на «Spacehack» свою инициативу, если заполнят форму и выполнят ряд требований: достоверность, прозрачность и полнота раскрытия информации, соответствие тематике сайта, общественный характер проекта и т.д. На данный момент каталог сайта включает более 50 проектов, их число продолжает расти.



The screenshot shows the Spacehack website interface. At the top, there are social media links for Twitter (@spacehack), a registration button, and a link to submit a project. Below this is the site's header: "SPACEHACK a directory of ways to participate in space exploration". A navigation bar contains categories: data analysis, distributed computing, education, open source, and competition. The main content area features a project listing for "University Rover Challenge". It includes an image of a rover, a red banner stating "THE DEADLINE FOR THIS PROJECT HAS PASSED", and text describing the challenge: "An annual competition for college students to design and build the next generation of Mars rovers that will see day work alongside astronauts on the Red Planet. Former students and community members alike are encouraged to reach out to their alma matters and local universities to help form teams." It also mentions the 2013 Mars Society's University Rover Challenge (URC) held from May 30 to June 1, 2013, at the Mars Desert Research Station (MDRS) in Utah. Below the text is a video player with the title "University Rover Challenge Trailer" and a play button. Further down, it lists "Project owners + coordinators: Kevin Sloan" and "Category: competition". At the bottom, there are tags: "competition, engineering, mars, rovers, spacecrafts, students". The footer includes a search bar and links for "About Spacehack", "Community Guidelines", "Contact", and "Disclaimer".

Фрагмент интерфейса сайта Spacehack



NASA/ESA/Hubble

Galaxy Zoo

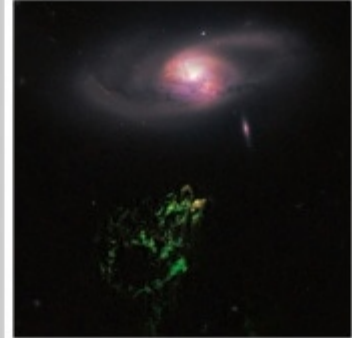
To learn more and participate, visit: <http://galaxyzoo.org>

To stay up-to-date on this project:

- follow @galaxyzoo
- read galaxyzoo.org
- join galaxyzooforum.org
- connect with facebook.com/galaxy-zoo-hubble-edition

Updates

Galaxy Zoo users discover an entirely new set of galaxies and a strange outer space phenomenon. [Read about it.](#)



THE HUBBLE SPACE TELESCOPE DISCOVERED AN ENTIRELY NEW SET OF GALAXIES AND A STRANGE OUTER SPACE PHENOMENON. [Read about it.](#)



To understand different types of galaxies and how galaxies form, Galaxy Zoo: Hubble needs your help classifying images of hundreds of thousands of galaxies taken by NASA's Hubble Space Telescope. If you're quick, you may even be the first person in history to see each of the galaxies you're asked to classify.

Your job is very simple! All you need to do is look out for the features that mark out spiral and elliptical galaxies. There's a tutorial showing how to classify galaxies according to shape (elliptical, spiral or irregular) and rotation (clockwise or anti-clockwise).

Those involved are directly contributing to scientific research, while getting an opportunity to view the beautiful and varied galaxies that inhabit our universe. Why does Galaxy Zoo need people to do this, rather than just using a computer? The simple answer is that the human brain is much better at recognizing patterns than a computer. Galaxies are complicated objects that vary in appearance enormously, and yet in some ways they can be very similar.

More than 250,000 people have taken part in Galaxy Zoo so far, producing a wealth of valuable data and sending telescopes on Earth and in space chasing after their discoveries. This latest incarnation of Galaxy Zoo uses data from the Hubble Space Telescope to go deeper than ever before. Read [The Story So Far](#) to find out what has been achieved to date with Galaxy Zoo 1 and Galaxy Zoo 2.

Project owners + coordinators:

Galaxy Zoo Team, team@galaxyzoo.org

Category: data analysis

Tags: data analysis, galaxies, galaxy zoo, hubble, optical telescope, eds, Sloan digital sky survey, cosmology

Фрагмент интерфейса сайта Spacehack