



אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev



**Prof. Rivka Carmi,
President**



Approximately 20,000 students

More than 120,000 alumni



33%

of students
participate in
advanced
research
programs



3

campuses

- Beer-Sheva
(Marcus Family Campus)
- Sede Boqer
- Eilat





International
Community including
students from more
than 40 countries





Leading a wide range of co-operations and projects affecting the area

Encourages students' creativity, entrepreneurship and international competition

Operates using need-based and interdisciplinary approaches in research and teaching

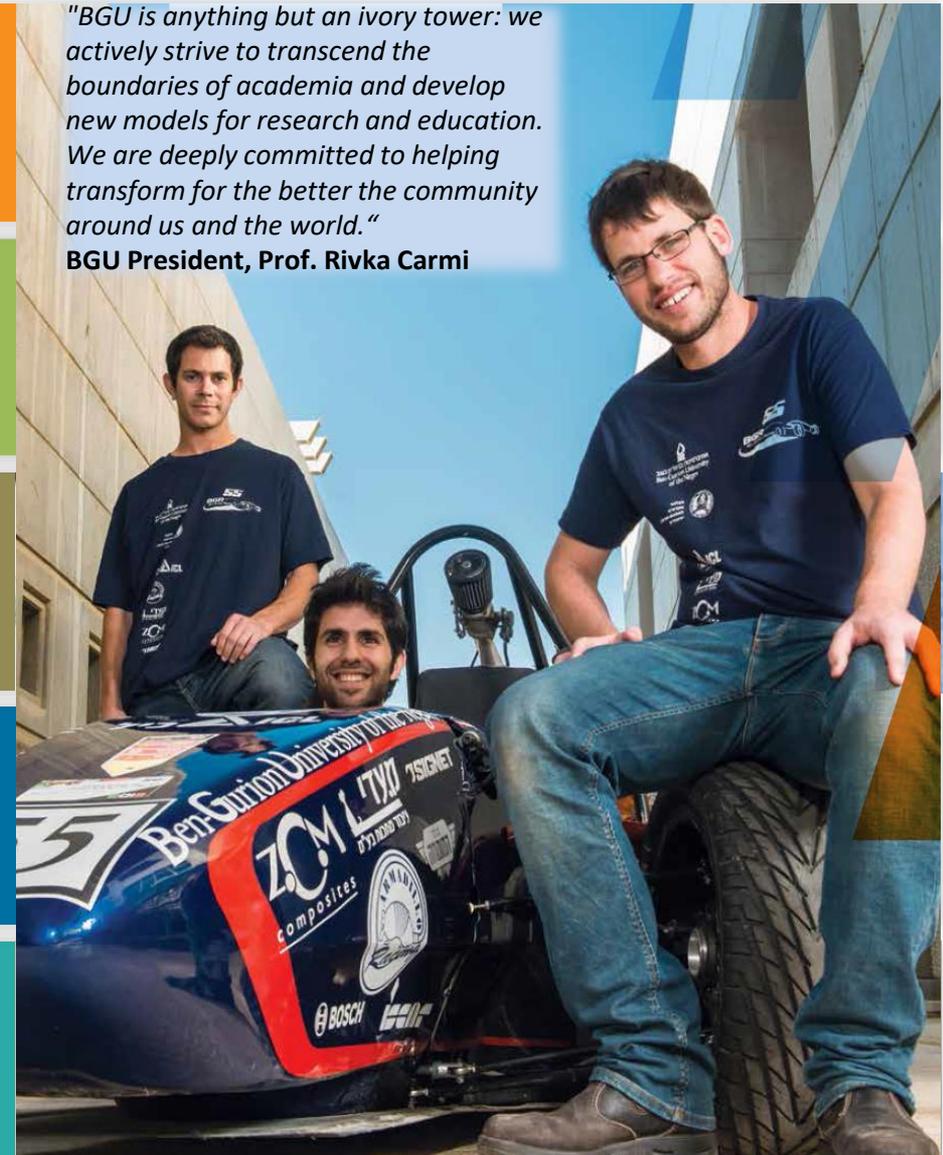
Ranked among the best in the world in various fields

Preferred by industry for the largest -scale investments in Israeli universities



"BGU is anything but an ivory tower: we actively strive to transcend the boundaries of academia and develop new models for research and education. We are deeply committed to helping transform for the better the community around us and the world."

BGU President, Prof. Rivka Carmi





18th



on the QS World University Rankings of **young universities** under the age of 50

39th



among the world's top **technological universities**. BGU was declared as one of the Middle East's most important centers of **teaching and research**

1st



BGU's **Department of Industrial Engineering and Management** ranks first among all such departments in Israel, according to *Forbes Magazine*

1st



in accounting: 97.5% of students successfully passed the Israeli Accountancy Council exams

6th



BGU's **Department of Hotel and Tourism Management** ranked 6th worldwide in tourism research and 11th on the *Journal of Hospitality and Tourism Research's* overall ranking





Among the top
100



universities in the world **granted US patents**. BGU was recently invited to join the National Academy of Inventors (NAI)

259nd



on the QS World University Rankings, **out of 500** leading universities around the world

24th



on the **UI GreenMetric** World University Rankings, and **1st** among Israeli universities

64th



in the world in terms of publications issued by the **Department of Information Systems Engineering**. BGU is the only Israeli university ranked among the world's top 100 universities in this field

Among the world's
100



leading institutions in **cyber research**, according to a new system evaluating universities by their publications in this field

Among
7



global cities of the future. A study conducted by Brandeis University and the T3 Advisors consulting firm identified Beer-Sheva as one of seven up-and-coming hubs of **technology and life sciences**, thanks to BGU and the adjacent Advanced Technologies Park





"A person can broaden his horizons through meeting people from all around the world."

**Joanne Shintong,
Doctoral Student**



National Research Institutes on an International Level

- **Ben-Gurion National Solar Energy Center**
- **National Institute for Biotechnology in the Negev (NIBN)**
- **Ilse Katz Institute for Nanoscale Science & Technology (IKI)**
- **Jacob Blaustein Institutes for Desert Research (BIDR)**
- **Ben-Gurion Research Institute for the Study of Israel and Zionism**
- **Heksherim Research Institute for Jewish and Israeli Literature & Culture**



Brain Research

Epidemiology

Bioinformatics

Space & Remote Sensing

Cyber Security

Human Genetics

Nanotechnology

Robotics

Computer Science

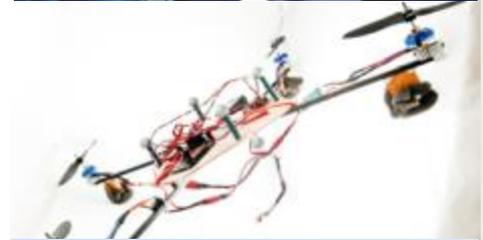
Energy and Fuels

Stem Cells

Cancer Research

Water Resources

Human Engineering



Cooperation: Technologies and Patents Commercialization



REUTERS

LATEST NEWS **U.S. SEEKS "FULL PARTNERSHIP" WITH RUSSIA ON MISSILES**

Ikaria to pay \$285 mln for Bioline drug license

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MARKET NEWS

- Wall Street pares gains after bond auction
- Oil steadies at \$60 on U.S. jobless claims
- Yen, dollar fall; sterling up on

JERUSALEM, June 6 (Reuters) - Israeli drug development company BiolineRX (BLRX.TA) said on Monday that New Jersey-based Ikaria Holdings Inc had agreed to pay \$285 million for a license to develop and market its BL-1040 drug for heart attack patients.

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High-speed fiber optics co MultiPhy raises \$7.2m

The investment agreement will be implemented in two stages. \$3.3 million will be invested immediately with the balance in December 2010 providing the start-up meets specified milestones. Article continues at [advertisements.multiphy.com](#) was founded in 2006 in the Maayan Ventures incubator. MultiPhy, a BGU spin-off

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Cartilage implant co CartiHeal expands financing to \$10m

Noch Dankner's Elron joined Moshé Arkin's Accelmed and Access Medical Ventures to invest in the company.

8 July 12 15:57 Gali Weinreb

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Cartilage implant developer CartiHeal Ltd. has expanded its financing round to \$10 million from \$5 million, after [Elron Electronic Industries Ltd.](#) (TASE: [ELRN](#)) joined [Accelmed](#), the fund of Moshé (Mori) Arkin and Uri Geiger, and Access Medical Ventures, a US fund run by Israelis Limor Sandach, Dvir Keren, and Michael Tal. CartiHeal is a graduate of [Eregone Ventures Incubator](#) / [Technological Incubator](#).

CartiHeal CEO Nir Altshuler, a biomedical engineer, founded the company in 2009, on the basis of a concept discovered at Ben Gurion University of the

Science News

A science news site.

BGU and France Telecom sign agreement to optimize Internet communications

by ADMINISTRATOR on APRIL 28, 2011

REUTERS UK

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Israel's Ben-Gurion University in deal with Bayer

TEL AVIV, April 19 (Reuters) - Ben-Gurion University signed an agreement to collaborate with Bayer BioScience NV to develop solutions to help plants cope with extreme temperatures and limited water availability, the university said on Sunday.

Ben-Gurion, located in Israel's Negev desert, said the agreement builds upon results from Simon Barak's laboratory at the university's Jacob Blaustein Institute for Desert Research.

The agreement signed between BGN Technologies - the technology transfer company of Ben-Gurion University - and Bayer CropScience will allow the identification of additional genes that have an effect on making plants more "stress-resistant".

ISRAEL APRIL 28, 2011 -- Ben-Gurion University and France Telecom (Orange Labs) announced a research applying "location their Internet routers, which will use complex algorithms and resolution of a problem. Prof Communication Systems Engineering and Ben-Gurion University of the Negev (BGU) is funding the research and development of three pediatric medical devices.

For example, if a router is placed in a location where service might not be adequate.

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ExxonMobil to Work with Partners to Commercialize On-Vehicle Hydrogen Fuel System for Application

Business Wire - Press Release

Exxon Mobil Corporation (NYSE:XOM) today announced it is partnering with [Qualis Automotive Engineering](#) and Ben Gurion University on plans to commercialize an on-vehicle hydrogen production system for use in a fuel cell-powered lift truck application.

Exxon Mobil Corporation (NYSE:XOM) today announced it is partnering with [Qualis Automotive Engineering](#) and Ben Gurion University of the Negev (BGU) is funding the research and development of three pediatric medical devices.

(Logo: <http://photos.prnewswire.com/prnh/20110406/NDM90021000>)

The collaboration, which pairs the medical expertise of CCHMC physicians with the technical and engineering capabilities of BGU, started with nearly 80 unaddressed problems facing surgeons and physicians. After reviewing these ideas and proposed solutions, 10 projects went through rigorous application cycles, through market analyses and review by internal and external stakeholders.

Cooperation: Joint Projects – Incubators and Centers



Science News

A science news site.

CAPITAL NATURAL

Renewable energy research center to be established in southern Israel

BEER-SHEVA, ISRAEL, September 30, 2010? The Arava Group, initiated by Ben-Gurion University of the Negev (BGU) and the Eilat-Elot municipality, recently won a tender from the Israeli Ministry of Industry, Trade and Labor to establish and operate a technology center for renewable energy in the south of the country.

BGU, represented by BGN Technologies, the University's technology transfer company, has joined the group commitment to invest in the long-term development of industry in the region.

The group includes industrial leaders such as Elbit Systems, Rafael and Ormat; leading investment companies, including ProSeed Venture Capital Fund, Direct Insurance Group and the Consensus Business group; academic

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JVP launches first Israeli cybersecurity startup incubator with Ben-Gurion University

By Brian Taylor March 26, 2014, 7:26 AM PST // BrianB2BCopy

Jerusalem Venture Partners has opened the first-of-a-kind Cyber Labs startup incubator, part of Israel's drive to be a global cybersecurity leader.

THE WALL STREET JOURNAL

EUROPE EDITION Wednesday, January 29, 2014 As of 6:36 PM EST

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PR RELEASE January 29, 2014, 6:26 p.m. ET

IBM and Ben-Gurion University Announce New Center for Excellence

Leading edge academic research will help protect large scale and national infrastructure projects

TEL AVIV, Israel, Jan. 29, 2014 /PRNewswire/ -- IBM (NYSE: IBM) and Ben-Gurion University of the Negev announced today their intention to establish a Center of Excellence for Security and Protection of Infrastructure and Assets, located in Beer-Sheva, Israel. This new joint venture will develop a curriculum that will help train the next generation of professionals, as well as perform leading edge scientific research on emerging areas like Big Data and cloud computing.

By collaborating with a global leader like IBM, we will be able to expand and continue to develop our research capacity," said University President Professor Rivka Carmi. "Cloud and Big Data are changing how we secure data in the public sector. This center will enable IBM security and infrastructure experts to work collaboratively with the university's leading academic researchers."

This joint venture will be housed at the BGU, developing ecosystem in the region. Working better understand how to secure and protect is increasingly important to address the security

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Deutsche Telekom to invest 12.1 mln usd in Israeli research centre by 2008

BONN (AFX) - Deutsche Telekom AG said it will invest 12.1 mln usd by 2008 in a research and development centre it has set up jointly with Ben Gurion University in Beer Sheva, Israel.

The new institute, an academic satellite of the Deutsche Telekom laboratories based at Berlin's Technical University, will have a special focus on network security, the telecoms giant said in a statement.

EMC²

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EMC & RSA R&D Center in Beer-Sheva

Development Projects Open Positions

The Beer-Sheva R&D Center is a new member of Israeli Center of Excellence (CoE) fast-growing family. It is a part of global EMC program of continuous investment in research and development centers around the world. Israeli CoE focuses on emerging technologies in the areas of cloud computing, security, information management, virtualization, enterprise content management, big data, as well as various other product families.

The EMC/RSA Beer-Sheva R&D Center official inauguration ceremony took place on 31/May-2011 Pat Getsinger, President and Chief Operating Officer, EMC Information Infrastructure Products honored us with his presence.

The Beer-Sheva R&D Center established close cooperation with the Ben-Gurion University of the Negev, both in supporting research activities and several mutual projects.

securitycurrent

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Lockheed Martin and EMC to Invest in Advanced Technology Projects in Israel

January 27, 2014

By Aimee Rhodes

Global security company and defense contractor Lockheed Martin Corp and data security company RSA's parent company, have announced that they will jointly invest in technology research and development projects in Israel.

Under the arrangement, Lockheed Martin and EMC will identify a series of development projects to be conducted in Southern Israel and other technology export zones.

"We expect this collaboration with Lockheed Martin will help EMC continue to research and development and contribution to the success of Israel's mission to be a leader in innovation on the global stage."

Cooperation: Joint Projects – International and Local



BGU and University of Chicago sign MOU to develop innovative water technologies



Memorandum of Understanding between BGU and the Ministry of Health, “Strengthening emergency system, the health and safety of the citizens of Israel”



BGU and the National Cyber Bureau sign \$8.5 Million Agreement to create a National Cyber Security Research Center

IBM and BGU establish a new Center of Excellence for Security and Protection of Infrastructure and Assets



Rothschild Cube - Center for Effective Social Action inaugurated by BGU and Rothschild Caesarea Foundation, the first of its kind in the world



Collaborative led by BGU and Cincinnati Children’s Hospital Medical Center (CCHMC) to develop three high-impact, pediatric-specific medical devices



From Israel to Vietnam: Faculty from BGU’s Department of Nursing helps teach at Duy Tan University’s newly-created nursing school



Collaboration agreement on reactor core physics studies signed between BGU and the French Alternative Energies and Atomic Energy Commission





*“Israel's
capacity for
science and
research will be
tested in the
Negev”*

**David Ben-Gurion,
Israel's first Prime
Minister**

- **The University has a third mandate – Developing the Negev socially economically and culturally**
- **The Negev constitutes 60% of the area of Israel and houses only 11% of the population.**



6,000

Students involved in a wide range of community projects in the region

Jusidman Science Center for Youth



Green Campus

#24 in world ranking

University works to reduce the environmental footprint, to educate and to promote environmental protection values



80

“Open Apartments”

in Beer- Sheva for students active in the community and in many other Community Action Department programs



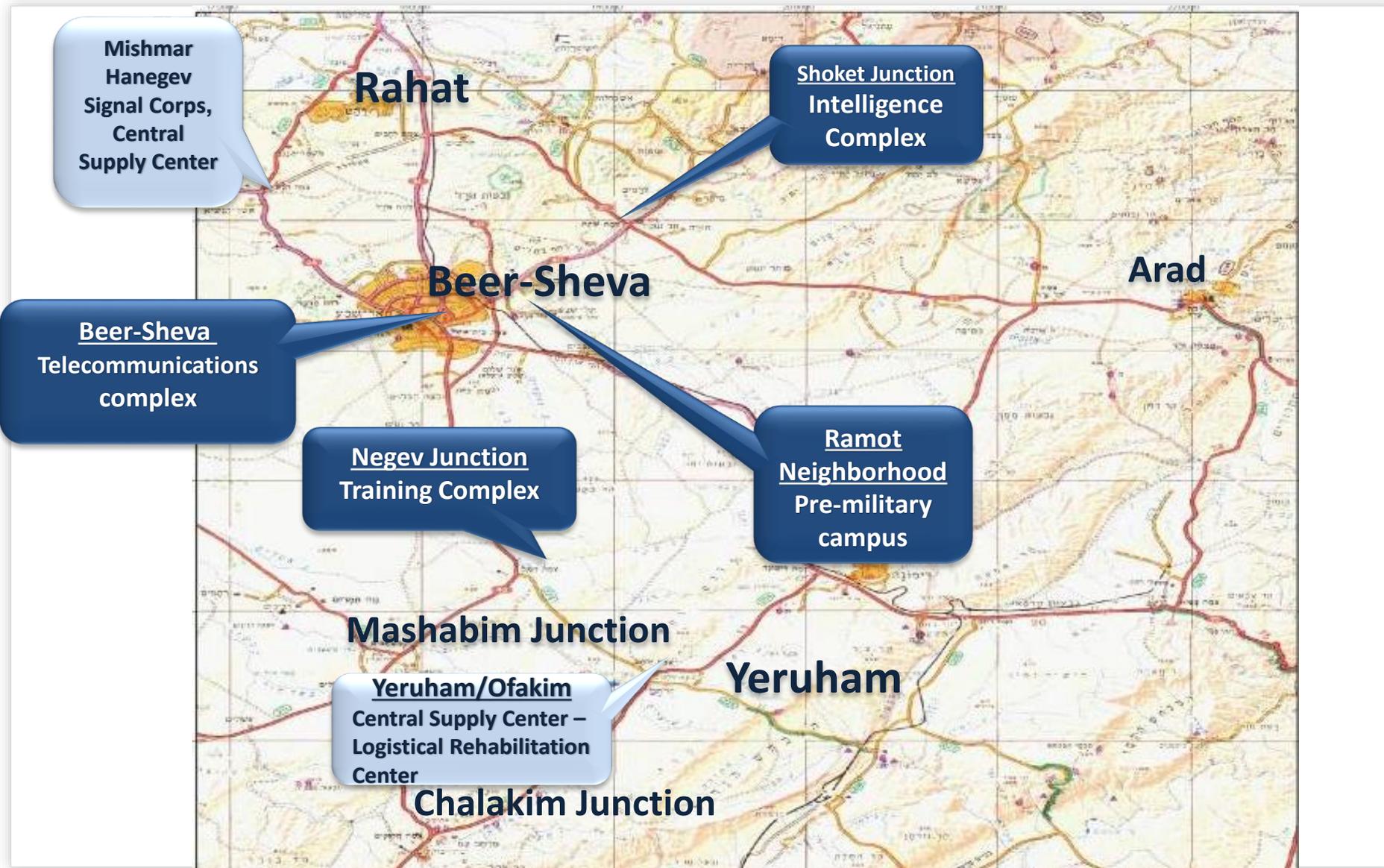
What's happening in the area?



- Relocation of IDF units to the Negev including Telecommunications Division, Military Intelligence, Technology Units and R & D, training bases
- Hi-Tech Advanced Technologies Park (ATP) adjacent to the University
- IDF IT & Technology Campus
- National Cyber Center
- Massive Infrastructure Development
- North Campus



IDF move to the Negev – A Bird's Eye View





BGU strategic vision for the IDF move:

The process of the Israel Defence Forces (IDF) moving south will accelerate University development while improving academic ranking and positioning in Israel and improving the quality and number of students studying at the University for all levels of degrees.

Strategic Goals

- Positioning BGU as a national high quality academic leader.
- Increasing student quotas (in coordination with the Ministry of Defense and the Council for Higher Education).
- Enlargement and improvement of infrastructure: laboratories (in relevant areas), classrooms etc.
- Recruiting high quality faculty members in relevant fields
- Faculty of Health Sciences: Enlarge medical school, increase in training of community medicine professionals
- Building a tailored curricula taking into account the needs of students during military service.



Preparations

- Student registration – creation of “IDF code” to identify the IDF students and to monitor, in coordination with the IDF, the procedures related to them.
- “Off-campus” study – integrating university professors in military courses in order to allow for future recognition of these courses for credit or exemption.
- Engaging IDF lecturers in existing study programs.
- English language courses and preparatory program as an alternative to psychometric exams- accommodating the timetables of career soldiers.
- IDF staff collaboration with selected laboratories in the university – Fundamental agreement already signed, approaching implementation stage.
- Building of development program for IDF knowledge centers together with the IDF.



- Building a tailored curricula for conscripted soldiers.
- Starting focused activity with IDF Technological and Logistics corps and Israeli Air Force (IAF).
- Families of career soldiers – Building special programs to meet needs.

**More than 30,000 IDF personnel
move to the Negev**

What's happening in the area?

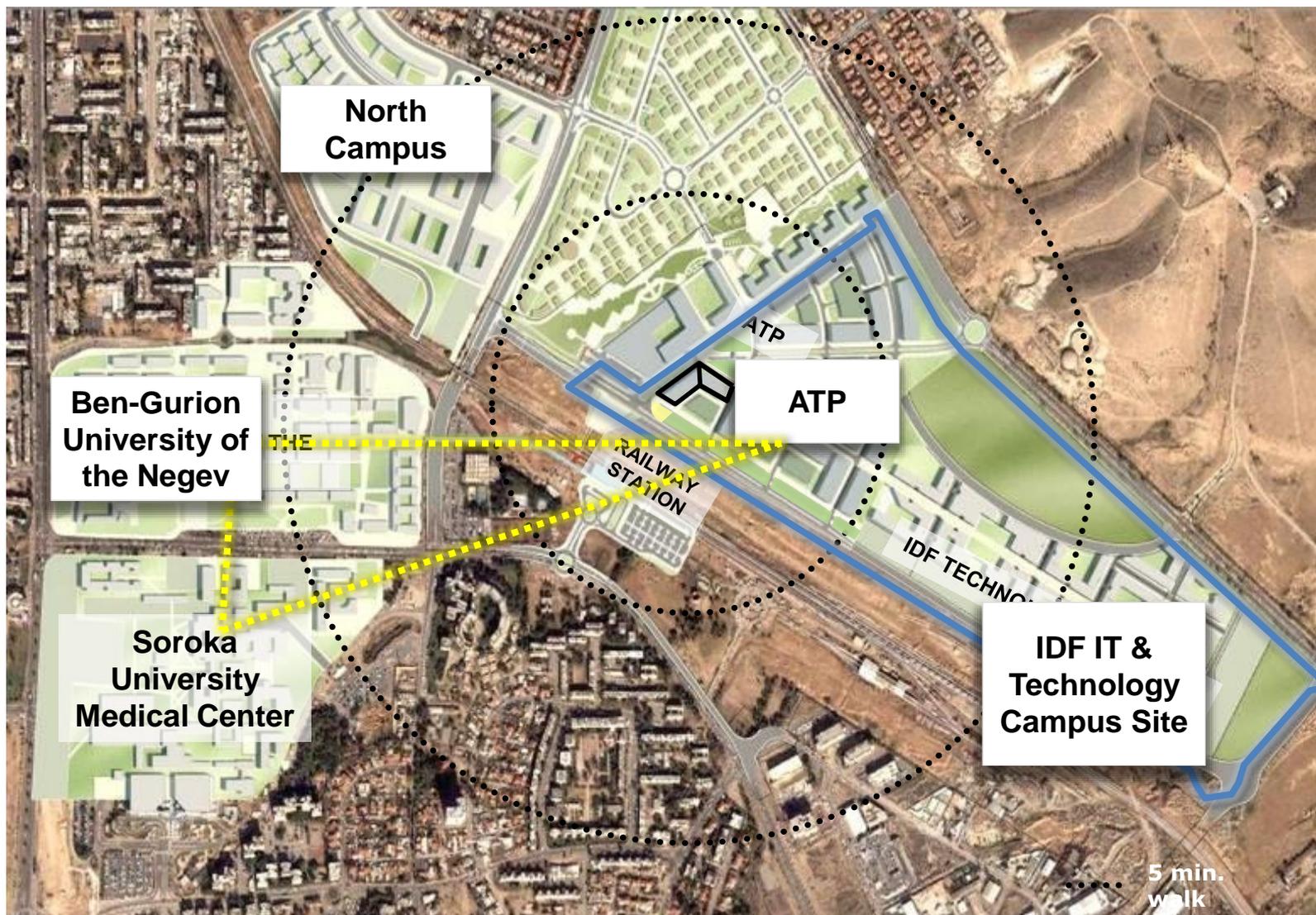


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Advanced Technologies Park (ATP)







The park is a joint venture of:



Ben-Gurion
University of the
Negev



Beer-Sheva
Municipality



Gav-Yam Negev

NEGEV (BEER-SHEVA) HIGH-TECH LLC.



Social and Economic Impact

- Improving economic growth of Beer-Sheva and the Negev
- Attracting high-tech companies to establish operations in ATP
- Strengthening basis for joint research industry / University
- Nurturing start-ups including incubators
- Retaining faculty and alumni





- R&D Triangle – Ben-Gurion University of the Negev, Soroka University Medical Center, ATP
- Railway Station
- IDF Technology Campus



Location:

- Total of 500 dunams (about 130 acres)
- ATP – 175 dunams
- IDF IT & Technology Campus – 180 dunams



Size:

- Hotel and Conference Center – 16,000 m² with 300 rooms
- Residential Area



Infrastructure:

ATP – First two buildings



ATP – Companies



- **DT innovation Labs**
- **EMC-RSA**
- **Oracle**
- **Lockheed-Martin**
- **IBM**
- **PayPal**
- **Allscripts (dbMotion)**
- **JVP Cyber Labs (+7 new start-ups)**
- **Incubit (+4 new start-ups)**
- **Ness Technologies**
- **Dalet**
- **BGN Technologies**
- **AudioCodes**
- **RAD**
- **IDF Visitor Center**
- **Mellanox**
- **Wix**
- **Elbit**
- **CDI-Negev**
- **One-Hour-Translation**
- **Negev-Inn**
- **WeWork**
- **National Cyber Labs**
- **National CERT**
- **CyberSpark**



A view of the ATP from the Marcus Family Campus



What's happening in the area?



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“Beersheva will not only be the cyber capital of Israel, but one of the most important places in the cybersecurity field in the world.”

Prime Minister

Benjamin Netanyahu

Israeli Cyber Innovation

Arena January 2014



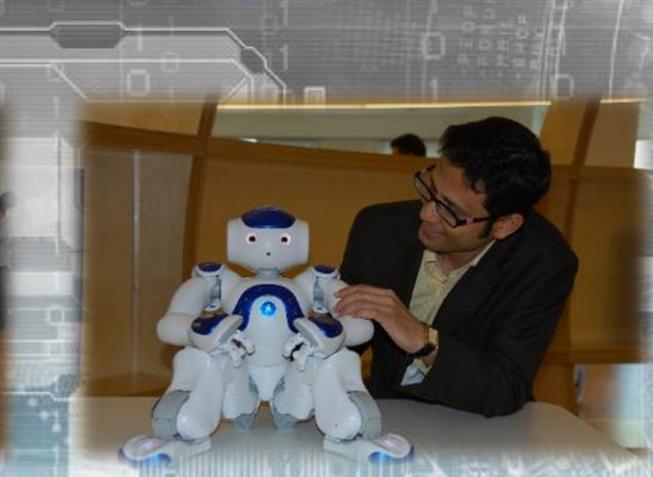
Protecting Our Future

Homeland Security Institute

BGU's Homeland Security Institute deals with interdisciplinary research identifying threats and offering solutions.



Center for Digital Innovation (CDI)



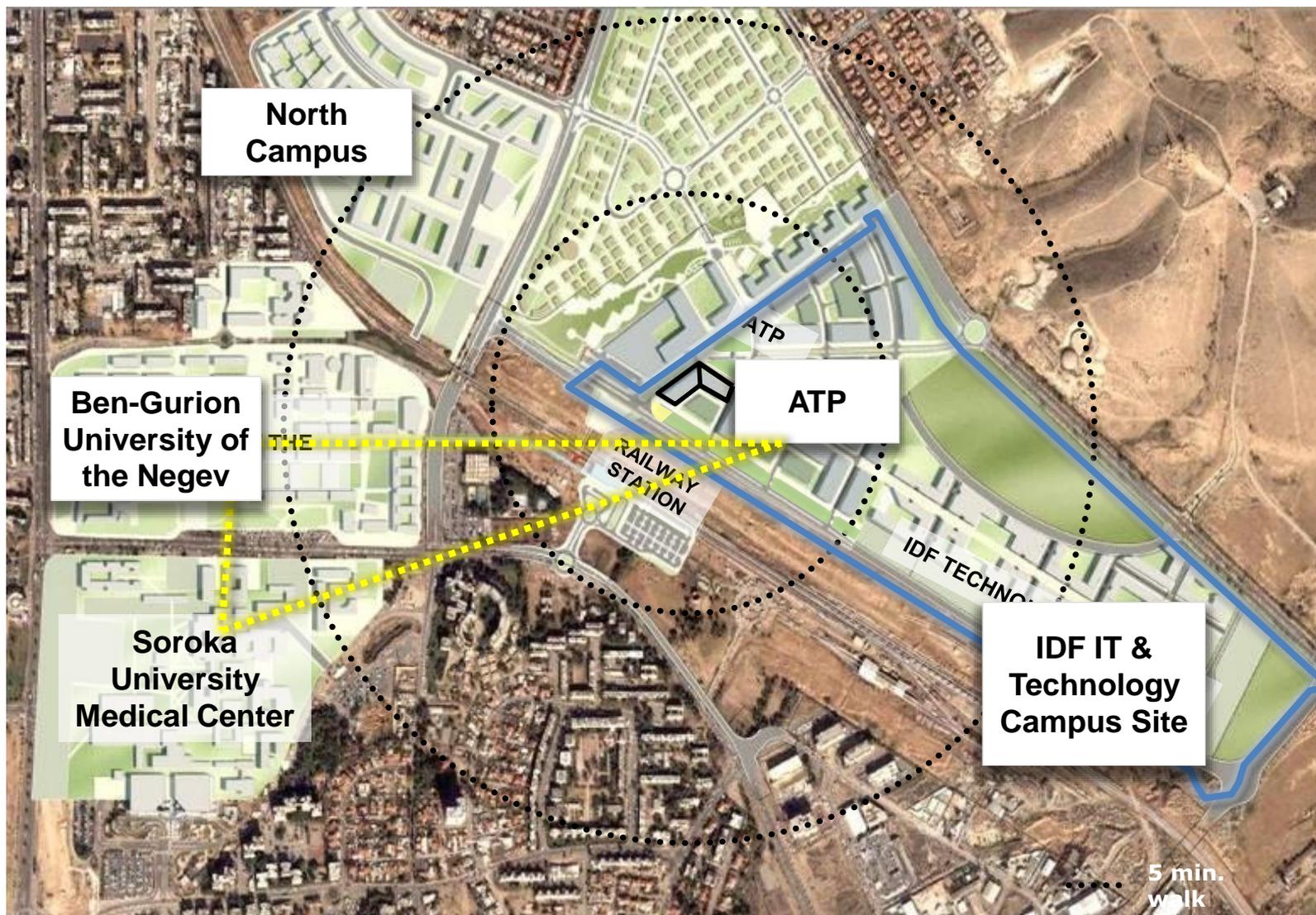
CDI - Center of Digital Innovation. CDI is a non-profit research center to promote and develop digital innovation in Israel in general and in medicine in particular. Partnership of BGU with a group of Israeli entrepreneurs.

What's happening in the area?



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Start-Up Negev



Beer-Sheva one of seven future global cities for high-tech and innovation



Beer Sheva Named Top City For Hi-Tech And Innovation



Mar. 1, 2015

Beer-Sheva was one of seven cities named by T3 Advisors and Brandeis International School's first Global Technology Emerging Markets as cities of tomorrow for technology and life sciences. Ben-Gurion University of the Negev took some of the credit for this citing its leadership role in the region.

That has always been one of the biggest advantages of the high tech industry: It can be done anywhere in the world with no need for extended infrastructure.

That's why people can start a new company in the middle of a desert or in their own homes and why Israel, in part, was able to become the world's "Startup Nation."

T3 Advisors, a global corporate real estate services and consulting firm, and the Brandeis International Business School announced the results of the first of its kind joint Global Technology Emerging Markets study last month. The study provides leaders at technology and life sciences firms with recommendations on the best the "cities of tomorrow" - based on key data and analysis of the competitive advantages.

7 Cities

Poised for Significant Growth in Technology & Life Sciences



BRANDEIS INTERNATIONAL BUSINESS SCHOOL
evaluate their global location strategy:

- Be'er Sheva, Israel
- Campinas, Brazil
- Cape Town, South Africa
- Chengdu, China
- Istanbul, Turkey
- Kuala Lumpur, Malaysia
- Santiago, Chile





Forbes / Business

OCT 7, 2015 @ 07:17 AM 19,148 VIEWS

A New Silicon Valley In The Middle East



A rendering of the high tech park proposed for Beersheba, Israel.

This article appeared in the September 2015 issue of Forbes Israel

Name the first three things that come to mind when you think of the Israeli Negev desert, and especially the city of Beersheba. If you came up with words like dust, poverty and camels, you are thinking of the old Beersheba. If, on the other hand, you thought of words like IT, innovation and entrepreneurship, your name might be Rubik Danilovich. The energetic mayor of Beersheba is hoping that, in the near future, he won't be the only Israeli who associates the "Capital of the Negev" with words that today more often bring to mind Tel Aviv or Jerusalem. He believes the city is set to become world-renowned as a center of innovation and technology, a far cry from the shabby desert image it has endured during his tenure.



Thank you!

