Prof. Rivka Carmi, President
Ben-Gurion University of the Negev

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
Ben–Gurion University of the Negev

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

Encourages students’ creativity, entrepreneurship and international competition

Operates using need-base 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
Among the top Worldwide Educational and Research Institutions

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

1st BGU’s Department of Industrial Engineering and Management ranks first among all such departments in Israel, according to Forbes Magazine

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 Worldwide Educational and Research Institutions

Among the top 100 universities in the world granted US patents. BGU was recently invited to join the National Academy of Inventors (NAI)

24th on the UI GreenMetric World University Rankings, and 1st among Israeli universities

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

259th on the QS World University Rankings, out of 500 leading universities around the world

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

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
High-impact Research in many fields

“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
Renewable energy research center to be established in southern Israel

The Arava Group, initiated by Ben-Gurion University of the Negev (BGU) and the Eilat-Eilot 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 institutions; local chapters of foreign universities; and support from the Israeli Ministry of Industry, Trade and Labor.
BGU and University of Chicago sign MOU to develop innovative water technologies

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

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

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

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

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

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

Collaboration agreement on reactor core physics studies signed between BGU and the French Alternative Energies and Atomic Energy Commission
BGU – This is the way to be in the Center

- 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.

“Israel's capacity for science and research will be tested in the Negev”
David Ben-Gurion, Israel’s first Prime Minister
Ben-Gurion University of the Negev and the Community

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

- Mishmar Hanegev Signal Corps, Central Supply Center
- Beer-Sheva Telecommunications complex
- Negev Junction Training Complex
- Mashabim Junction
- Yeruham/Ofakim Central Supply Center – Logistical Rehabilitation Center
- Ramot Neighborhood Pre-military campus
- Chalakim Junction
- Shoket Junction Intelligence Complex
- Yeruham
- Pre-military campus
- Beer-Sheva
- Arad
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.
IDF Move to the Negev – the BGU role

**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.
IDF Move to the Negev – the BGU role

- 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
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- National Cyber Center
- Massive Infrastructure Development
- North Campus
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.
ATP Mission

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
ATP – Basic Information

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

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

- **Infrastructure:**
  - Hotel and Conference Center – 16,000 m² with 300 rooms
  - Residential Area
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.
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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North Campus

Start-Up Negev
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

- Beer Sheva, Israel
- Campinas, Brazil
- Cape Town, South Africa
- Chengdu, China
- Istanbul, Turkey
- Kuala Lumpur, Malaysia
- Santiago, Chile
A New Silicon Valley In The Middle East

Name the first three things that come to mind when you think of the Israeli Negev desert, and especially the city of Beer-sheba. If you came up with words like dust, poverty and camels, you are thinking of the old Beer-sheba. If, on the other hand, you thought of words like IT, innovation and entrepreneurship, your name might be Rubik Danilovich. The energetic mayor of Beer-sheba 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!