



Central European Institute of Technology  
BRNO | CZECH REPUBLIC



Vojtech Helikar / 19<sup>th</sup> of June 2019

# CEITEC – Central European Institute of Technology





BRNO



# CEITEC - Overview



Advanced  
Nanotechnologies  
and Microtechnologies



Advanced  
Materials



Structural  
Biology



Genomics  
and Proteomics  
of Plant Systems



Molecular  
Medicine



Brain and Mind  
Research



Molecular  
Veterinary  
Medicine



MASARYK  
UNIVERSITY  
[www.muni.cz](http://www.muni.cz)



MENDEL UNIVERSITY  
IN BRNO  
[www.mendelu.cz](http://www.mendelu.cz)



UNIVERSITY OF  
VETERINARY AND  
PHARMACEUTICAL  
SCIENCES BRNO  
[www.vfu.cz](http://www.vfu.cz)



BRNO  
UNIVERSITY  
OF TECHNOLOGY  
[www.vutbr.cz](http://www.vutbr.cz)



INSTITUTE OF  
PHYSICS OF  
MATERIALS AS CR  
[www.ipm.cz](http://www.ipm.cz)



VETERINARY  
RESEARCH INSTITUTE  
[www.vri.cz](http://www.vri.cz)

# Management excellence



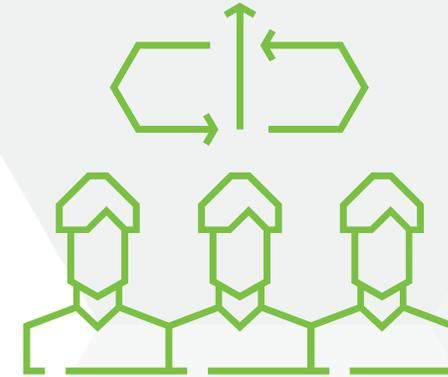
## COORDINATION BOARD

Composed of statutory representatives of partner institutions and external representatives from prominent Czech companies active in R&D and the best international research institutes



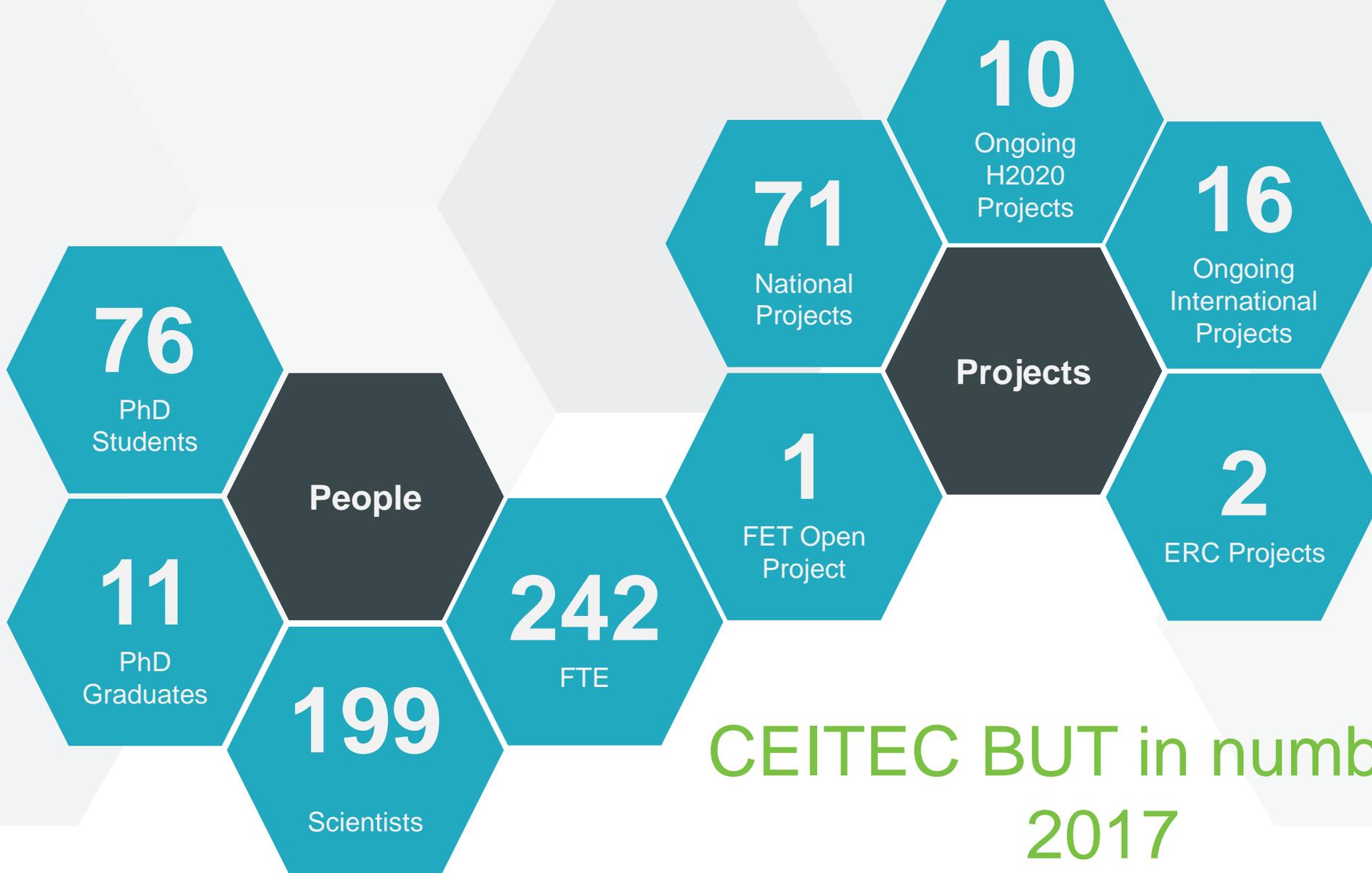
## INTERNATIONAL SCIENTIFIC ADVISORY BOARD

Members of ISAB are exclusively representatives of important international research institutes



## EVALUATION

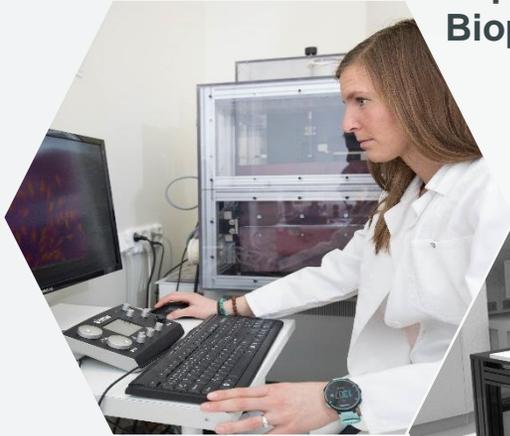
Evaluations of the quality of research results are conducted by independent teams of prominent global experts in their respective fields



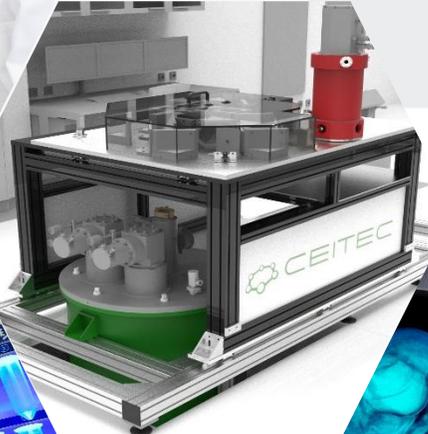
## CEITEC BUT in numbers 2017

# Advanced Nanotechnologies and Microtechnologies

Experimental  
Biophotonics



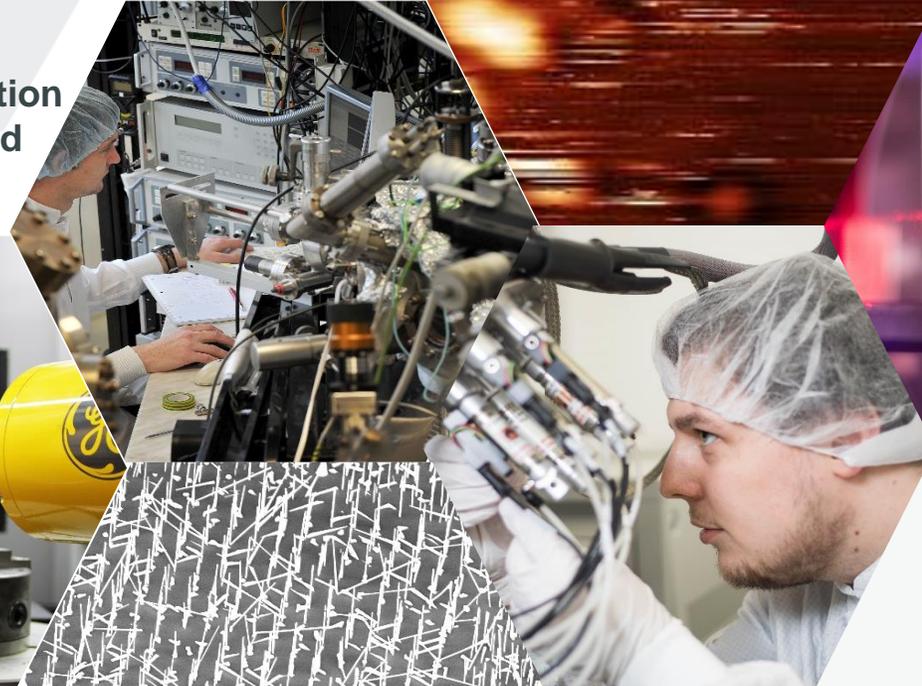
Magneto-Optical  
and THz  
Spectroscopy



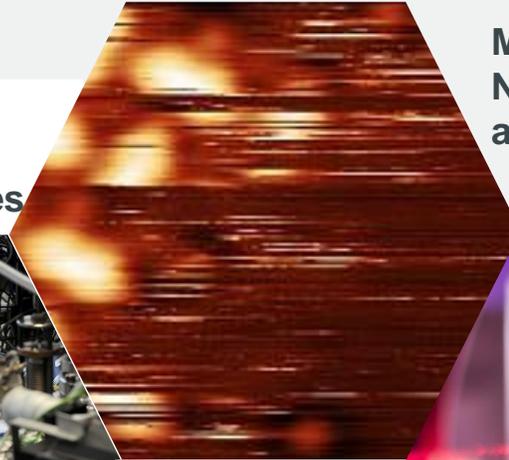
Materials  
Characterization  
and Advanced  
Coatings



Fabrication and  
Characterisation  
of Nanostructures



Molecular  
Nanostructures  
at Surfaces

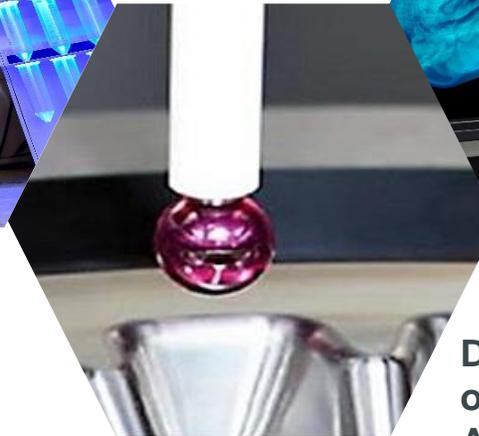


Quantum Optical  
Technologies

10

RESEARCH  
GROUPS

Smart  
Nanodevices



Development  
of Methods for  
Analysis and  
Measuring

Nanomagnetism  
and Spintronics



Epitaxial Materials  
and Nanostructures

# Advanced Materials

**Advanced  
Ceramic  
Materials**



**4  
RESEARCH  
GROUPS**

**Advanced Low-  
Dimensional  
Nanomaterials**



**Advanced  
Polymers and  
Composites**

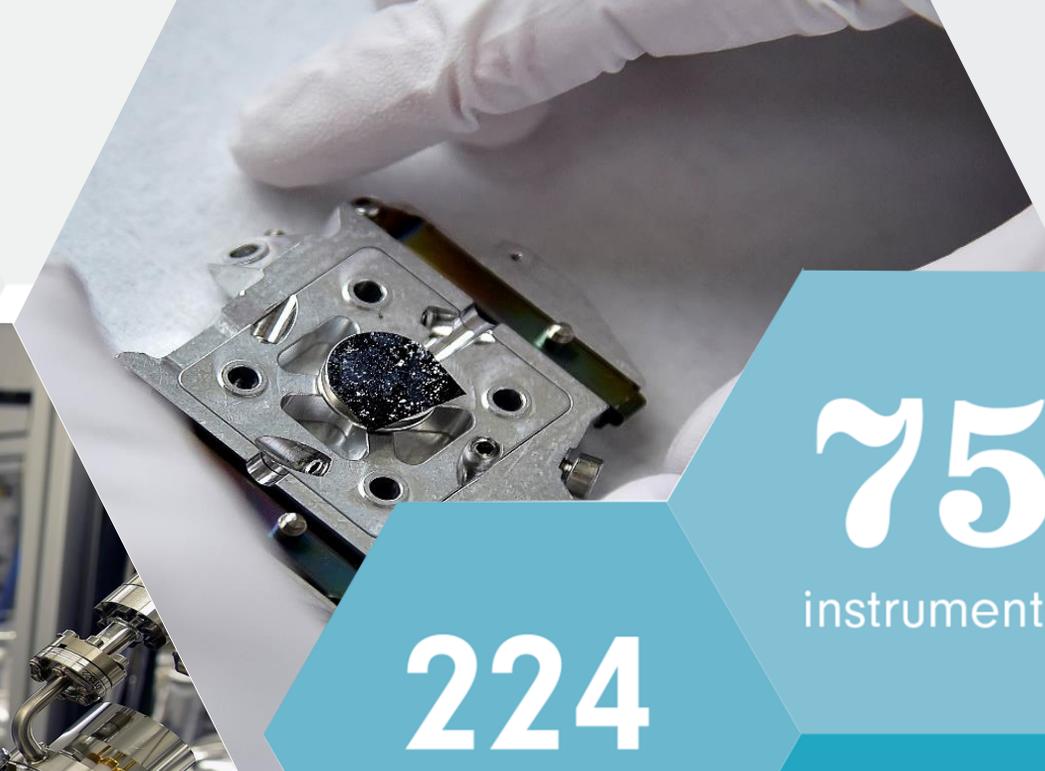
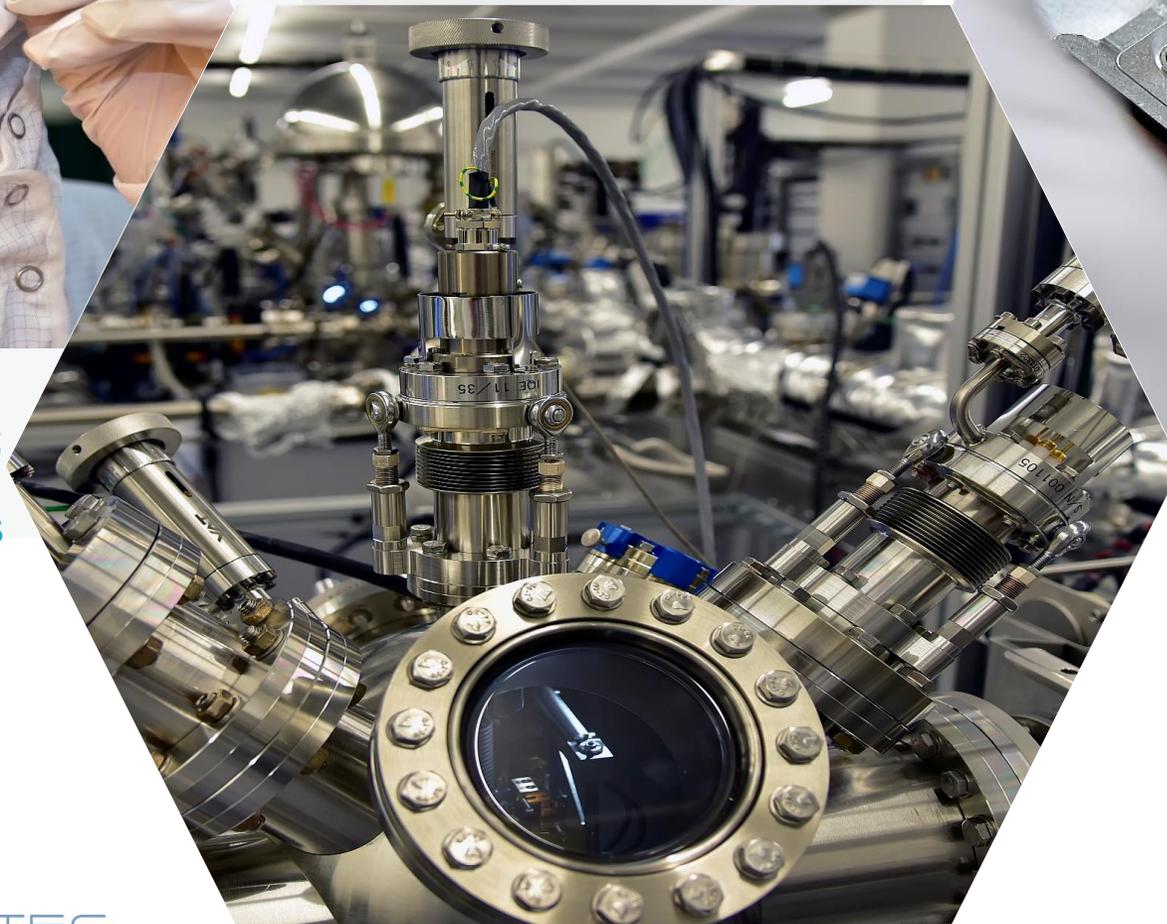


**Cybernetics in  
Material Science**





2 000 m<sup>2</sup>  
of cleanrooms



75

instruments

224

users

72,634

hours

36

institutions

In 2017

# Tech Transfer at CEITEC

- Performance of Tech Transfer at CEITEC:
  - # Patents issued
  - # Licences issued
  - Licencing income
  - # Start ups formed

# Tech Transfer at CEITEC

- The mechanisms to improve Tech Transfer at CEITEC – part of Innovation Strategy of CEITEC BUT:
  - International Cooperation
    - Easy Access IP platform
  - Industry Cooperation
  - Entrepreneurial Ecosystem at CEITEC
    - Open Office / Consultations
    - IP Database / Tech Offers
    - Tech Alert
    - Internal Competition on Innovations

# CEITEC BUT Spin-off and Start-up



Scanning Probe Microscope designed for easy integration into the Scanning Electron Microscopes.



**NenoVision**



Advanced instruments for the Laser Induced Breakdown Spectroscopy (LIBS) technique.



# R&D in the Czech Republic

- [www.czech-research.com](http://www.czech-research.com)
- [CoE in the Czech Republic](#)



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