

Events to celebrate the 70th Anniversary of CUT – 14-15 May 2015.

**Programme of the Ceremony to celebrate the 70th Anniversary of Cracow
University of Technology taking place on the 14th May 2015
in the J. Słowacki Theatre, 1 Św. Ducha Square, Kraków**

10.30 – 12.30

- 1. Address of HM Rector of CUT, in which he will welcome the invited guests**
- 2. Speech delivered by the Deputy Prime Minister and the Minister for the Economy, J. Piechociński**
- 3. Speech delivered by the Minister of Science and Higher Education, prof. L. Kolarska-Bobińska**
- 4. Speech delivered by the EC Commissioner for Internal Market, Industry, Entrepreneurship and SMEs, Elżbieta Bieńkowska**
- 5. Concert performed by CUT alumni conducted by Jan Karpiel-Bułecka (part I)**
- 6. Presentation of the Minister's awards**
- 7. Concert performed by the Big Band of Kraków Academy of Music**

12.45 – 13.30

Solemn procession from the J. Słowacki Theatre to Działownia Building

13.30 – 14.30

Lunch in front of Działownia Building

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**Programme of the Forum *Science and Economy*
Forum in Polish, 14th May 2015,
Działownia Building, Cracow University of Technology campus,
24 Warszawska St., Kraków**

Aim of the Forum:

Outlining possible directions of cooperation between academic circles and their business environment, especially in the area of finding commercial applications for scientific research and relating it to the technological needs of the national economy under the applicable legal regulations and available forms of funding.

Participants of the Forum:

Representatives of the European Commission, the Ministry of Economy, the Ministry of Science and Higher Education, Rectors of Technical Universities, other invited panelists representing academic and business circles.

Organisation of the Forum:

The main session will take place in *Działownia*, in the “round table” formula. The invited and registered Guests will be participating in the Forum directly in the main hall. Other interested persons (staff members and students) will have the chance to participate in the Forum via a simultaneous broadcast transmitted to the side rooms in the *Działownia* Building or via an Internet broadcast (sent to the Anniversary website). The debate at the Forum will be divided into three topical discussion panels, as outlined in the timetable below:

The Forum Timetable:

14.30 – 15.00	Concert performed by CUT alumni conducted by Jan Karpiel-Bułecka (part II)
15.00 – 15.15	Official welcome address to the Forum participants
15.15 – 16.05	Panel I: Science and economy (moderator: Piotr Moncarz)
16.05 – 16.25	Coffee break
16.25 – 17.40	Panel II: Power engineering, infrastructure and the environment (moderator: Michał Woźniczka)
17.40 – 18.00	Coffee break
18.00 – 18.50	Panel III: Innovation and technology (moderator: Katarzyna Walczyk-Matuszyk)
18.50 – 19.00	Closure
19.00 – 20.00	Cocktail party

Please kindly register before May 8, 2015 at <http://www.jubileusz.pk.edu.pl/registration/>.

The registered participants will receive identifiers entitling them to fully participate in the Forum and the Conference. Also, the registered participants will receive information update via e-mail. Participation in the Jubilee events is free of charge, any travel and accommodation costs should be covered by the participants themselves.

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**Programme of the Anniversary Scientific Conference,
Conference in English, 15th May 2015,
Działownia Building, Cracow University of Technology campus,
24 Warszawska St., Kraków**

Motto:

“Practical applications of innovative solutions resulting from scientific research”

Aim of the Conference:

Presentation of examples in which scientific knowledge and experimental research results have been put to use in creating innovative solutions, which have found practical application in the economy – experience from Poland and abroad.

Invited speakers:

Prof. Holm Altenbach (Magdeburg University – Germany)

Prof. René de Borst (University of Glasgow – Great Britain)

Prof. Herbert Bühler (Münster University – Germany)

Prof. Tadeusz Burczyński (IPPT PAN - Poland)

Prof. Leszek Demkowicz (University of Texas – the USA)

Prof. Zbigniew Kundzewicz (PAN – Poland)

Prof. Paulo Lourenço (Minho University – Portugal)

Prof. Herbert Mang (TU Wien – Austria)

Prof. Piotr Moncarz (Stanford University – the USA)

Prof. Piotr Noakowski (Dortmund University – Germany)

Prof. Krzysztof Pielichowski (CUT - Poland)

Prof. Grzegorz Skarpetowski (Bombardier, ZHAW Zurich, CUT – Switzerland, Poland)

Prof. Dieter Weichert (RWTH-Aachen - Germany)

Prof. Agnieszka Zalewska (IFJ PAN, CERN – Poland, Switzerland)

Organisation of the Conference:

The main debate will take place in *Działownia*. The invited and registered Guests will be participating in the Conference directly in the main hall. Other interested persons (staff members and students) will have the chance to participate in the Conference via a simultaneous broadcast transmitted to the side rooms in the *Działownia* Building or via an Internet broadcast (sent to the Anniversary website). The Conference will be divided into four sessions, as outlined in the timetable below:

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The Conference Timetable:

09.00 – 09.10	Official welcome address to the Conference participants
09.10 – 10.40	<p style="text-align: center;"><u>Session I Science and technology</u></p> <p>Prof. Agnieszka Zalewska "Science and technology - two facets of CERN"</p> <p>Prof. Piotr Moncarz "Sustainability and environmental responsibility of new energy systems"</p> <p>Prof. Paulo Lourenço "Preserving our past, building our future: A success story from high level research, professional practice and innovation"</p>
10.40 – 11.00	Coffee break
11.00 – 13.00	<p style="text-align: center;"><u>Session II Computational support for engineering</u></p> <p>Prof. Herbert Mang "Computational mechanics - an ideal research area for innovative solutions of challenging engineering problems"</p> <p>Prof. Piotr Noakowski "Proper design of the R/C structures in terms of the actual bending moments. Redistribution and drop of the cross sectional forces due to cracking"</p> <p>Prof. Leszek Demkowicz "Application of hp-adaptive finite element (FE) Method to simulation of sonic measurements in a borehole"</p> <p>Prof. Tadeusz Burczyński "Computational intelligence in multiscale and biomedical engineering"</p>
13.00 – 14.00	Lunch (Tents outside the <i>Działownia</i> Building)
14.00 – 15.30	<p style="text-align: center;"><u>Session III Materials and structures</u></p> <p>Prof. Holm Altenbach "Material modelling: a game for scientists or an effective tool to improve structures"</p> <p>Prof. Krzysztof Pielichowski "New polymeric materials - challenges and perspectives"</p> <p>Prof. Dieter Weichert "Limit states of materials and structures"</p>
15.30 – 15.50	Coffee break
15.50 – 17.50	<p style="text-align: center;"><u>Session IV General engineering problems</u></p> <p>Prof. René de Borst "Simulation as the third pillar in engineering science"</p> <p>Prof. Zbigniew Kundzewicz "Flood risk management under global change"</p> <p>Prof. Herbert Bühler "Architecture at the beginning of the fourth industrial revolution"</p> <p>Prof. Grzegorz Skarpetowski "Multisystem locomotives – the future of European railway"</p>
17.50 – 18.00	Closure of the Conference