



Piotr Ladyzynski

Position nominated for:
Administrative Council
(AC) Member

Polish Society for
Biomedical Engineering
Founding member

Professor &
Deputy Director for
External Projects
Nalecz Institute of
Biocybernetics and
Biomedical Engineering,
Polish Academy of
Sciences, Warsaw,
POLAND

Professional Achievement

- Development and validation of clinical efficacy of several tele-homecare and mobile tele-care systems for people with diabetes.
- Validation of mathematical models of hemoglobin A1c concentration applying an original methodology based on the continuous glucose monitoring *in vivo* and red blood cells culturing *in vitro*.
- Development and clinical validation of a system calculating insulin doses compensating the meals based on the vice description of the meal content.
- Development and clinical validation of several methods and systems to facilitate monitoring of the wound healing process in people with a diabetic foot.
- Development of a few AI methods facilitating monitoring and treatment of people with chronic lymphocytic leukemia.

Societal Contribution

- IFMBE Industry Working Group Secretary (2008-2016), **Chairman** (2016–2022)
- European Society for Artificial Organs (ESAO) President Elect (2017-2019), **President** (2019-2021), Past President (since 2021)
- Polish Society for Biomedical Engineering AC Member (2002–2007), **Treasurer** (2007-2012)

Honours and Awards

- Economy Award of the President of Poland in “Research & Development” category (2021)
- Award „Polish Product of the Future” (2021)
- Award „Innovation for Health 2009” (2009)
- Gold Cross of Merit (2005)
- Scientific Award (II Grade) of the Rector of the Medical Academy of Warsaw (1994 and 2002)