

Curriculum Vitae

First name: Alin-Florin

Last name: Totorean

Date of birth (dd.mm.yyyy): 11.04.1987

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Studies:

2010 – present : University "Politehnica" of Timisoara, Faculty of Mechanical Engineering,
MD student, "Implants, prosthesis and biomechanical evaluation"

2006 – 2010 : University "Politehnica" of Timisoara, Faculty of Mechanical Engineering,
medical engineer

2002 – 2006 : "Vasile Goldis" High School, Arad

Foreign languages: English (advanced)

French (intermediate-advanced)

German (beginner)

Professional experience:

- August 2009 – present, Vice-President of The Medical Engineering Association (Founding member)
- November 2009 – June 2010, President of The Students League from the Faculty of Mechanical Engineering, Timisoara, Romania
- November 2008 – November 2009 Director of the Educational Department, The Students League from the Faculty of Mechanical Engineering, Timisoara, Romania
- January 2008 - November 2008 Director of the Cultural Department, The Students League from the Faculty of Mechanical Engineering, Timisoara, Romania

Awards:

Special prize The International Conference "Technical Student Days", Timisoara, 9-16 May 2010, Timisoara, *Hemodynamic analyses of the recirculation region for a coronary artery stenoses treated by angioplasty*

Honorary degree for great achievements in organizing, developing and leading The Students League from the Faculty of Mechanical Engineering, 2010, Timisoara, Romania

The 3rd prize, Surgery section, The national Congress for students and young doctors, 12th edition, 11-14 December 2008, Bucharest, Romania; *Correlations between objective and subjective measurements for patients with cochlear implants – case report.*

Special prize The Medical Bioengineering National Symposium for Students and Young Researchers, 22-25 May 2008, Iasi, *The foot pressure distribution correction with personalized orthosis*

The 1st prize for best international project „European youth forum: Young minds draw the PUG” (the best international project awarded from city officials), November 2008

Honorary degree for great achievements in organizing The International Conference “Technical Student Days”(ZTS), 2008, 2009

Special prizes at the local, regional and national olympiads of Chemistry and Mathematics, 2000 - 2006

Diplomas, certificates:

Certificate in Advanced English, Cambridge University, UK

Certificate of Attendance The 21st European Students’ Conference, University of Medicine Charite, 13-17 of October 2010, Berlin, Germany

Certificate of Attendance The Humanitarian Medicine Conference, Tel Aviv University, July 2010, Tel Aviv, Israel

Certificate of Attendance The World Congress on Engineering, The 2010 International Conference of Systems Biology and Bioengineering, 29 June – 2 July 2010, London, U.K.

Certificate of Training in: “Make your presentation a winner”, Jobshop 2009, Timisoara, Romania

Certificate of Training in: “Financial Management”, Jobshop 2009, Timisoara, Romania

Certificate of coordinator - The International Conference “Technical Student Days”, 10-17 May 2009, Timisoara, Romania

Certificate of Attendance The International Conference “Technical Student Days”, 11-18 May 2008, Timisoara, Romania

Certificate for organizing The International Conference “Technical Student Days”, 11-18 May 2008, Timisoara, Romania

Certificate of Attendance International Congress for medical students and young doctors, Congressis, 3-6 April 2008, Iasi, Romania

Published papers:

1. Totorean A.F., Vinatu V.F., Bernad S.I., Susan-Resiga R.F., *Post-operative vascular models using simulation based medical planning system*, 21st European Students' Conference, 2010, Berlin, p. 27-28, European Medical Research Journal
2. Vinatu V.F., Totorean A.F., Bernad S.I., Susan-Resiga R.F., *Hemodynamic parameter of the anastomosis model for the coronary artery bypass*, 21st European Students' Conference, 2010, Berlin, European Medical Research Journal
3. Bernad S.I., Totorean A.F., Vinatu V.F., Susan-Resiga R.F., *Particle hemodynamics analysis after coronary angioplasty*, Proceedings of The 2010 International Conference of Systems Biology and Bioengineering, London
4. Totorean A.F., Vinatu V.F., *Hemodynamic analyses of the recirculation region for a coronary artery stenoses treated by angioplasty*, The International Conference "Technical Student Days", Timișoara, 2010, p. 401-406
5. Vinatu V.F., Totorean A.F., Bernad S.I., Susan-Resiga R.F., *Hemodynamics for the by-pass flow for anastomotic junction angle of 60 degrees*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Mechanics, 2010, Tom 55(69), Fasc. 1, p. 1-8
6. Alin F. TOTOREAN, Vlad F. VÎNĂȚU, Sandor I. BERNAD, Romeo F. SUSAN-RESIGA, *Hemodynamic analysis of the residual stenoses after coronary angioplasty*, Scientific Bulletin of The "Politehnica" University of Timisoara, Romania, Transactions on Mechanics, 2009, page 49-56
7. Totorean Alin-Florin, Vînațu Vlad-Florin, *Correlations between objective and subjective measurements for patients with cochlear implants – case report*, The national Congress for students and young doctors, 12th edition, 11-14 December 2008, Bucharest, page 44
8. Totorean Alin-Florin, Popescu Iulia-Andreia, *Theoretical studies of the chitin and chitosan biomedical applications*, The International Conference "Technical Student Days", Timisoara, 2008, page 436-442
9. Vînațu Vlad-Florin, Totorean Alin-Florin, *New methods for personalised hip prosthesis design*, The International Conference "Technical Student Days", 2008, page 544-549
10. Totorean Alin-Florin, Vînațu Vlad-Florin, Ghiba Ovidiu, *Studies that concern optimizing the design process for personalized hip endoprosthesis*, The 5th international congress for medical students and young doctors Congressis 2008, Iasi, page 140
11. Oprea Iulia, Totorean Alin-Florin, Vînațu Vlad-Florin, *The foot pressure distribution correction with personalized orthosis*, The Medical bioengineering national symposium for students and young researchers, 22-25 May 2008, Iasi, page 28-29

Hobbies: reading, music, mountain trips, fishing

Fields of interest: medical engineering, hemodynamics, biochemistry, culture, educational and youth policy

Other relevant information:

Junior researcher

Member of the Chemistry Committee Contest, Arad, Romania, 2010

Participant at the International Summer School, University of Applied Sciences, Wilhelmshaven, Germany, 2009

Coordinator of The International Conference "Technical Student Days", 10-17 May 2009, Timisoara, Romania

Member of the Mechanical Engineering Faculty Council, 2009 – 2010

Member of the University "Politehnica" of Timisoara Senate, 2009 - 2010

Member of the Medical Engineering Board, Mechanical Engineering Faculty, "Politehnica" University Timisoara, 2008 – present

Organizer Mechanics National contest, 21-23 May 2009, Timisoara

Coordinator charity event "A gift, a smile for Christmas", 15-20 December 2008, Timisoara, December 2009

Vice-coordinator „European youth forum: Young minds draw the PUG" (the best international project awarded from Timis county), November 2008

"Road to democracy" Youth in Action project participation, July 2008

Coordinator of 3 scientific papers for high school students, for Chemistry Scientific Communications session, April 2008: "Glucose and the human body. Blood sugar disorders" (awarded the 3rd prize on the county contest, special prize at the national contest), "B vitamin. Avitaminosis. Hipervitaminosis", "Proteins and the human body"

"Environment and health in an unified Europe" Phare project participation, 2005-2006