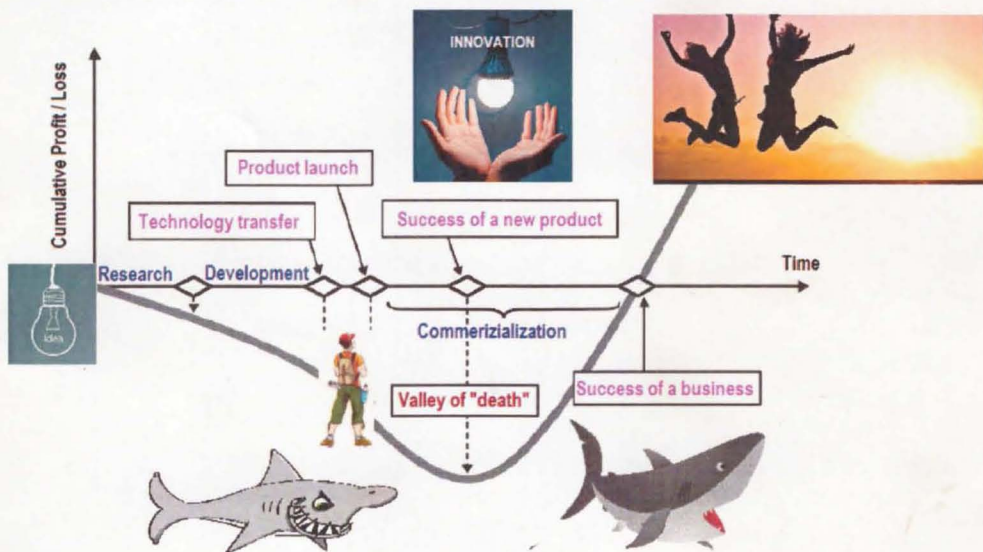




"FROM AN IDEA TO THE INNOVATION"



„ОД ИДЕЈЕ ДО ИНОВАЦИЈЕ“

Serbian Academy of Sciences and Arts (SASA), Belgrade, Knez Mihailova 35/II
April 7, 2017, from 9:00 to 17:30

Српска академија наука и уметности (САНУ), Београд, Кнез Михаилова 35/II
7. април 2017. године, од 9:00 до 17:30

PROGRAM AND SUMMARIES OF PRESENTATIONS

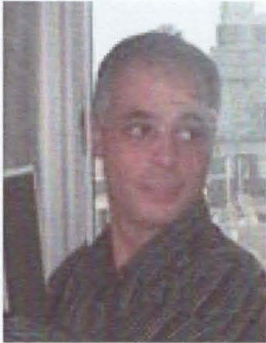
ПРОГРАМ И РЕЗИМЕИ ПРЕЗЕНТАЦИЈА

- 09:00–09:25 **Welcome session (Отварање скупа)**
academician Vladimir Kostić,
President of SASA
academician Zoran Lj. Petrović,
Secretary of the Department of Technical Sciences of SASA
academician Dejan B. Popović
- 09.30–11:00 **Innovation vs. Research and Development – European Experiences and Governmental Support** (*Однос иновација и истраживања и развоја: европска искуства и подршка државе*)
- Dr. Thomas Sinkjær, Director VILLUM FONDEN, Denmark: **Public and private funding of the Danish food chain from research idea to business.** (*Јавно и приватно финансирање данског ланца исхране: од истраживачке идеје до бизниса*)
 - Dr. Radivoje Popović, Professor Emeritus EPFL, Lausanne; Chief Technology Officer of SENIS AG, Zug; Switzerland and scientific advisor of Sentronis AD, Nis, Serbia: **A magnetic measurement business based on the resources in Switzerland and Serbia** (*Бизнис који потиче од мерења магнетизма базиран на ресурсима Швајцарске и Србије*)
 - Dr. Vladimir Popović, Professor of Mechanical Engineering, University of Belgrade and the Deputy Minister of the Ministry of Education, Science and Technological Development of Serbia: **Overview of Serbian innovation system (weaknesses/advantages) and how to move on?** (*Преглед иновација система Србије (слабости / предности) и како даље?*)

- 11:30–12:50 **Serbian success stories in innovative R&D** („Српски успеси“ у иновативном истраживању и развоју)
- Dr. Miodrag Temerinac, a distinguished scientist, and inventor, RT-RK, Novi Sad: *Challenges on the bridge between academy and industry – an experience from Novi Sad* (Изазови на мосту између академије и индустрије - искуства из Новог Сада)
 - Dr. Ivan Gligorijević, mBrainTrain, Belgrade: *From an idea to the innovation – mBrainTrain experience* (Од идеје до иновације - mBrainTrain искуство)
 - Dr. Dragan Popović, CEO Schneider-Electric-DMS, Novi Sad: *Advanced Distribution Management System* (Напредни дистрибутивни менаџмент систем)
 - Dr. Slobodan Vukosavić, University of Belgrade, The School of Electrical Engineering: *Innovation in power electronics – experiences from the University of Belgrade and related R&D enterprises* (Иновације у енергетској електроници – искуства Универзитета у Београду и сродних Р&Д предузећа)
- 14:00–16:00 **The governmental assistance to the process From idea to innovation** (Улога државе, образовних и истраживачких установа у генерисању и очувању интелектуалне својине и иновација)
- Aleksandar Kemiveš, Chamber of Commerce and Industry of Serbia, Belgrade: *Chamber of Commerce mechanisms for the economy development based on the knowledge and innovations* (Механизми коморског система за развој привреде базиран на знању и иновацијама)
 - Milena Kostadinović, Innovation Fund, Belgrade: *The role of the Serbian Innovation Fund in the process from an idea to innovation* (Значај и резултати Иновационог фонда за иновације на процес од идеје до иновације)
 - Dr. Ivanka Popović, Vice-Rector, University of Belgrade: *Bridging the gap between academia and industry* (Премошћење процена између научних и производних институција)

- Gordana Danilović Grković, Science Technology Park Belgrade: *The importance of the development of incubators and technology parks in the process of commercialization of innovations* (Значај развоја инкубатора и технолошких паркова у процесу комерцијализације идеја)
- Dr Aleksandar Mitrašinović, collaborator of ITN SASA: *The Canadian model for the „I to I“ projects* (Канадски модел за прелаз од идеје до иновације)

16:30–17:30 Discussion and closing remarks (Дискусија и закључење састанка) Moderator: Dejan Popović



Canadian model for the I2I projects

(Канадски модел за прелаз од идеје до иновације)

Dr Aleksandar Mitrašinović, collaborator of ITN SASA, Belgrade, Serbia

Summary

Canada allocates about 1.6% of its GDP for science. In recent years more emphasize is given on encouraging the entrepreneurship and innovative thinking in conjunction to the traditional support for fundamental research. An initial success in generating startup and spinoff companies encouraged Canadian policy makers to take one step further. Nowadays, Canadian government and non-profit organizations distribute significant resources not only for innovative projects ready for dissemination but also early stage idea-to-innovation proposals. In 2016, a sharp increase of 15% is reported by the PeHub in funding pre-revenue startups in Canada. The most notable programs and funding bodies that support early stage of research are Idea to Innovation by NSERC, TelentEdge and Commercialization Program by OCE, Accelerate by MITACS, Venture Start program for early-stage by MaRS and Canadian Foundation for Innovation funds by CFI.

Transforming an idea into an innovation is typically the most difficult step in a process of creating new marketable knowledge. Formulating and assessing potential value of the particular idea requires time and often significant resources. However, Canadian policy makers recognized that creating innovative culture delivers great long term gains. Creating an innovative culture motivates students and researchers to freely express and further pursue their ideas. Students that begin their research on the fresh projects show higher proficiency in particular matter than their successors, gain experience at the faster rate, more often purchase career in the same field and become more motivated employees or leaders in spinoff companies. The benefits from the policy shifting are already recognized in sharp increase in number of the startup and spinoff companies while technology industry becoming significant source of income for Canadians. As anticipated, creating and encouraging innovative culture would make stronger and long lasting link between research institutions, experienced scientists and creative students that in turn will further strengthen Ca-

nadian technology industry globally, keep the most talented students from relocating to US and provide high level income for the large part of population.

Presentation Outline: Research in Canada in general; Opportunities for securing funds for I2I in Canada; Resources and network available for startups; Recognizing varieties, differences and requirements in I2I projects; Benefits for students starting their careers on I2I programs; Benefits for experienced researchers working on I2I; Benefits for Canada in creating innovative culture; Similarities between Canada and Serbia regarding research challenges and goals; Examples from personal experience