University of Tirana

Prof. Dr. Kozeta Sevrani

PRESENTATION OF ALBANIA

Albania, officially the Republic of Albania is a country in South Eastern Europe.

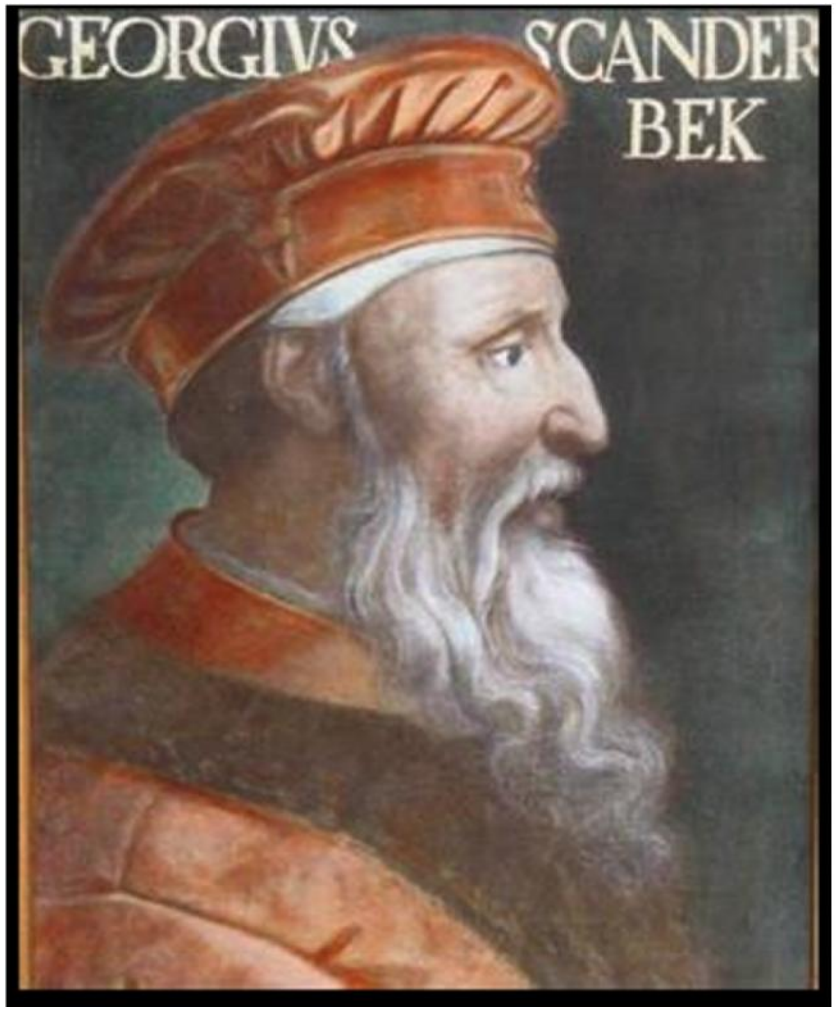
Population: 3.2 Millions people
Capital: Tirana, is home to approximately 900,000 Citizens
Regime: Albania is a parliamentary democracy and a transition economy

Albania is a member of:
UN
NATO
OSCE
WTO
Founding members of the Union for the Mediterranean.

Albania has been a candidate for entering the European Union since January 2003, and it formally applied for EU membership on 28 April 2009.

Albanians…

Gjergj Kastriot Skenderbeu (Scanderbeg 1405-1468)



Mother Teresa (1910-1997)

PRESENTATION OF THE UNIVERSITY OF TIRANA

The University of Tirana was founded on 16 September 1957 under the name of State University of Tirana. The State University of Tirana was founded of 6 faculties in which some were previously established institutes, such as:

- Institute of Science (1947)
- Institute of Medicine (1951)
- Polytechnic Institute (1951)
- Institute of Economy (1951)
- Institute of Law (1954)

UT was called the Enver Hoxha University of Tirana, after the Albanian dictator Enver Hoxha, who died on April 11, 1985.

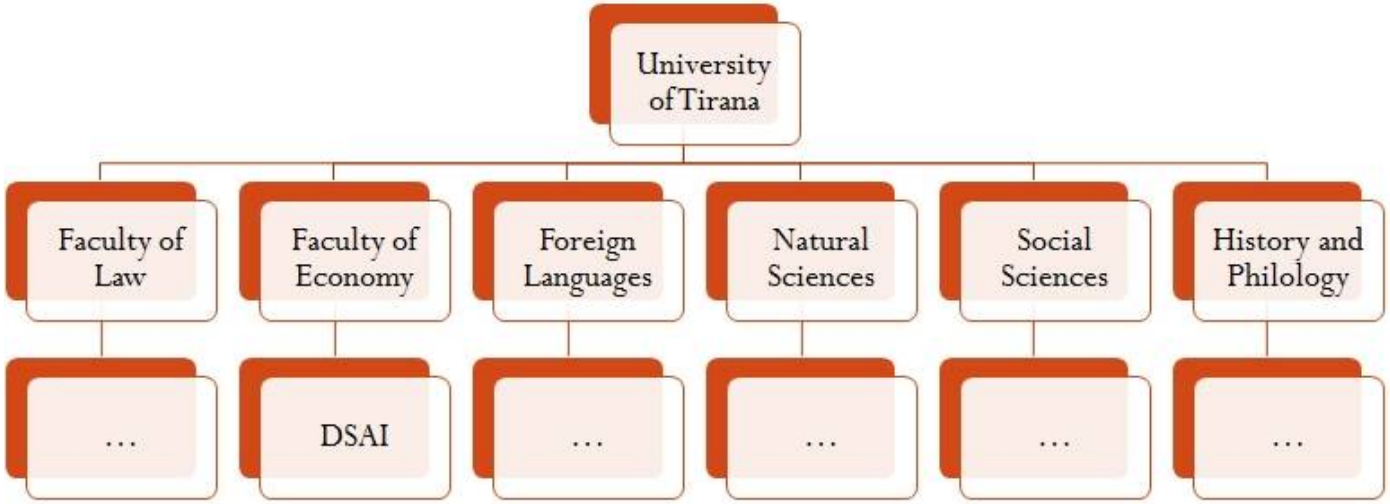
The University of Tirana and the Polytechnic University were founded in 1991 from the State University of Tirana.

PRESENTATION OF THE UNIVERSITY OF TIRANA

University of Tirana

6 Faculties

60 Departments



2 Institutions:

- Institute of European Studies
- Institute of Nuclear Physics

The University of Tirana has:

- 786 full time academic staff
- 317 administrative staff
- *40 000 students* (full time and part time) continue their studies at the University of Tirana. We are proud that the best Albanian students apply to study at the University of Tirana.

PRESENTATION OF THE UNIVERSITY OF TIRANA

It's Legacy

- University of Tirana is the first Albanian university.
- Most of the distinguished individuals in the Albanian society were former academic or student in our university.
- Almost all the Albanian Prime Ministers since the fall of communism were former students or professors from the University of Tirana.

PRESENTATION OF THE UNIVERSITY OF TIRANA

2005 – 2006 Curricula according to the Bologna Process

- University of Tirana implemented the Bologna Process in 2005.
- University of Tirana offers around 60 Bachelor degrees.
  The duration of Bachelor Degrees is generally 3 years.
- University of Tirana offers "Master" degrees.
  The duration of a Master degree is 1 or 2 years.
- The "Doctorate" studies can be followed after finishing Master of Science studies.

  The duration of PhD is 3-5 years.

PRESENTATION OF THE UNIVERSITY OF TIRANA

International Cooperation

- University of Tirana has institutional cooperation with many Universities around the World.
- There are over 80 agreements with European Universities.
- There are many courses which are offered in collaboration with our partners such as a Master degree in Economic European Studies with the University of Bamberg.
- University of Tirana is very active in international projects and is working in increasing its presence.

PRESENTATION OF THE UNIVERSITY OF TIRANA

The University of Tirana is also **partner** in various **European projects** funded by the European Commission such as:

- Tempus Projects;
- Erasmus Mundus Projects – Mobility of Staff and Students;
- IPA Program (Adriatic Region);
  - PACINNO Project – (Innovation area)

The projects consist in:

- Mobility of academic staff
- Composition of Curricula
- Mobility of Students
- Master in MBA and MPA
- Master in European Economic Study
- Training for new academic staff
- Developing and reforming university structure
- Regional and National analyses on Innovation competitiveness

PRESENTATION OF THE FACULTY OF ECONOMY

PRESENTATION OF THE FACULTY OF ECONOMY

Faculty of Economy (FE)

- FE was founded on 1952 under the name of High Institute of Economics.

- In 1957, with the creation of the University of Tirana, it was included in the university under the name Faculty of Economy. At that time, the Faculty of Economy offered only two study programs: Economics and Accounting.

- Faculty of Economy is the oldest, comparing it with relevant faculties in other Albanian universities that offer study programs in economics, business administration, finance, accounting, marketing, tourism, etc.

PRESENTATION OF THE FACULTY OF ECONOMY

Faculty of Economy (FE)

- The academic staff of Faculty of Economy consists of:
  - 33 professors,
  - 40 associated professors,
  - 37 PhD, 5 docents,
  - 31 MSc (146 in total)

The studies are organized based on 3+2 years of study system.

- Faculty has:

6 departments

- BA;
- Finance;
- Accounting;
- MKT;
- Economics;
- Statistics and Applied Informatics

students

- more than 5,000 full time bachelor students
- 1,500 part-time undergraduate students,
- 1,500 Master students
- and 180 PhD students

PRESENTATION OF THE FACULTY OF ECONOMY

Study Programs

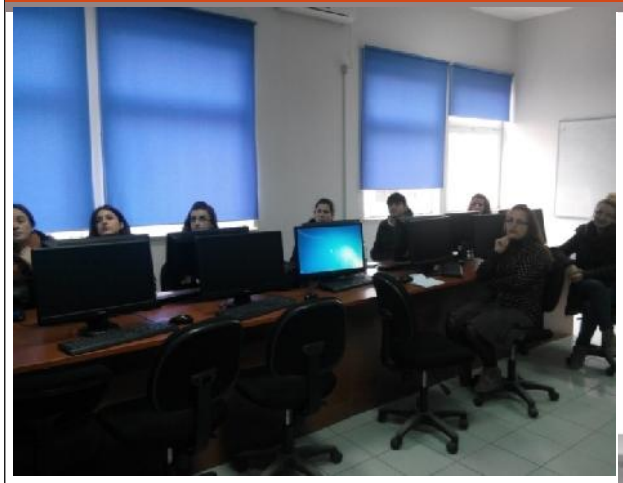
- Economic Informatics
- Economics
- Finance
- Banking
- Accounting
- Business Administration
- Public Administration
- Marketing Management
- Tourism Management

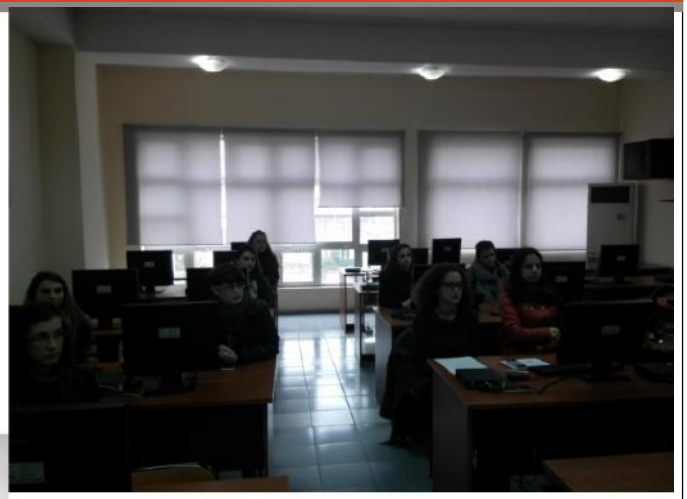
The number of students is around 9,500-10,000.

PRESENTATION OF THE FACULTY OF ECONOMY

LABORATORIES AND FACILITIES

Laboratories of FE have a capacity of about 250 seats and provides optimal conditions for the students.





PRESENTATION OF STATISTICS AND APPLIED INFORMATICS DEPARTMENT

"Statistics and Applied Informatics (SAI)" is one of the main departments in the Faculty of Economy, University of Tirana.

It was founded in October 2003 under the name "Mathematics, Statistics and Applied Informatics", and the name has changed before three years to "Statistics and Applied Informatics".

Academic staff:

- 23 full-time members that include 6 Professors, 7 Assoc. Prof., 6 lecturers with a PhD degree and the others with a Master degree.
- Part-time lecturers with a considerable experience, all of them associated with considerable scientific degrees.

The Department is responsible for the whole teaching process in Economic Informatics program and also regarding Informatics and Statistics subjects in the Faculty of Economy, University of Tirana.

PRESENTATION OF SAI DEPARTMENT

- "Economic Informatics" (IE) started in October 2003 – first 50 students enrolled
- Number is increasing every year…
  - For this academic year (2016-2017) – 220 students
- Number of students graduated – > 800 students
- 95% of graduated are working in different work positions related to IT:
  - Telecommunication sector
  - Banks
  - Public institutions
  - IT industry
  - Government agencies
  - HEI
  - Etc

PRESENTATION OF SAI DEPARTMENT

Curricula program

First cycle degree: Bachelor in Business Informatics **Academic Year :** 2016-2017

No	Subjects	Teaching/Formative activities load							Teaching hours of the subjects per each semester					
									I semester/15 weeks			II semester/15 weeks		
		A-F	ECTS	Total hours in auditor.	Lectures/ ECTS	Seminaries/ ECTS	Exercises / ECTS	Hours out of auditor.	Lectures	Seminaries	Exercises	Lectures	Seminaries	Exercises
	Year I													
1	Introduction to Informatics	B	7	75	45/4.5	8/1	22/1.5	100	3	0.5	1.5			
2	Algorithmics	B	6	60	30/3	15/2	15/1	90	2	1	1			
3	Programming in Java	B	6	60	30/3	15/2	15/1	90	2	1	1			
4	Mathematics 1	A	6	60	30/3	15/2	15/1	90	2	1	1			
5	Introduction to Economics	A	5	60	30/3	-	30/2	65	2	-	2			
6	Foreign Language 1	E	3	30	30/3	-	-	45	2	-	-			
7	Multimedia	B	5	60	30/3	-	30/2	65				3	-	2
8	Data Structure	B	6	60	30/3	15/2	15/1	90				2	1	1
9	Mathematics 2	A	5	60	30/3	-	30/2	65				2	-	2
10	Marketing	C	4	45	30/3	-	15/1	55				2	-	1
11	Management Information Systems	C	4	45	30/3	-	15/1	55				2	-	1
12	Foreign Language 2	E	3	30	30/3	-	-	45				2	-	-
Total Year I			*60*	*645*	*375*	*68*	*202*	*855*						
	Year II													
1	Computer Architecture	B	7	75	45/4.5	8/1	22/1.5	100	3	0.5	1.5			
2	Applied Mathematics	B	6	60	30/3	15/2	15/1	90	2	1	1			
3	Basic Statistics	A	6	60	30/3	15/2	15/1	90	2	1	1			
4	Microeconomics	A	6	60	30/3	15/2	15/1	90	2	1	1			
5	Programming in C++	B	5	60	30/3	-	30/2	65	2	-	2			
6	Operating Systems	B	7	75	45/4.5	8/1	22/1.5	100				3	0.5	1.5
7	Macroeconomics	A	6	60	30/3	15/2	15/1	90				2	1	1
8	Financial Accounting	C	6	60	30/3	15/2	15/1	90				2	1	1
9	Academic Writing	E	4	45	15/1.5	8/1	22/1.5	55				1	0.5	1.5
10	Applied Statistics	A	6	60	30/3	15/2	15/1	90				2	1	1
Total Year II			*59*	*615*	*315*	*114*	*186*	*860*						

PRESENTATION OF SAI DEPARTMENT

	Year III													
1	Data Communication and Computer Networks	B	6	60	30/3	15/2	15/1	90	2	1	1			
2	Elective 1 (Computer Graphics / Application Software / Information Security / Human=Computer Interaction)	D	5	60	30/3	-	30/2	65	2	-	2			
3	Econometrics	B	6	60	30/3	8/1	22/2	90	2	0.5	1.5			
4	Financial Management	C	6	60	30/3	15/2	15/1	90	2	1	1			
5	Database Theory	B	7	75	45/4.5	8/1	22/1.5	100	3	0.5	1.5			
6	Legal issues of Informatics	E	4	45	30/2	15/2	-	55				2	1	-
7	Web Programming	B	6	60	30/3	15/2	15/1	90				2	1	2
8	Management Information Systems	B	7	75	45/4.5	8/1	22/1.5	100				3	0.5	1.5
9	Elective 2 (Innovation / Business Ethics)	D	5	60	30/3	-	30/2	65				2	-	2
11	Internship	E	4	80	*80 consulting hours*			20				80		
12	Diploma Thesis	F	5	25	*25 consulting hours*			100				25		
Total 3rd year			*61*	*660*	*300*	*84*	*171*	*865*						
	Totalyears		**180**	**1920**	**990**	**266**	**559**	**2580**						

PRESENTATION OF SAI DEPARTMENT

Master Programs

3 MSc (Master of Science)

- "Information Systems in Economy";
- "Operational Research";
- "Information Security";

and 2 MP (Master of Arts):

- "Information Systems in Economy";
- "IT and Business Process Management"

For the academic year 2015-2016, SAI offered subjects in **English,** where **Mathematics Modeling and Simulation** was one of subjects lectured **by the members of TUV research group.**

PRESENTATION OF SAI DEPARTMENT

Curricula program

Second cycle degree: Professional Master in Information Systems **Academic Year :** 2016-2017 **Duration;** 2 semesters

No.	Subjects	Subject Information								Workload					
										1st Semester I/15 weeks			2nd Semester II/15 weeks		
		A-F	ECTS	No. of hours in class	Lessons/credits	Exercises/credits	Labs/credits	Practice/credits	No. of hours not in class	Lessons	Exercises	Laboratory	Lessons	Exercises	Laboratory
1	Advanced Web Programming	B	6	60	30	15	15		90	2	1	1			
2	Information Systems Security	C	6	60	30	15	15		90	2	1	1			
3	DB Analysis and design	B	7	75	45	7.5	22.5		100	3	0.5	1.5			
4	Business Data Communication	B	6	60	30	15	15		90	2	1	1			
5	Artificial Intelligence	B	6	60	30	15	15		90	2	1	1			
6	IS Analysis and Design	B	7	75	45	7.5	22.5		100				3	0.5	1.5
7	Optional [1]	D	5	60	30		30		65				2		2
8	Optional [2]	D	5	60	30		30		65				2		2
9	Special Course in Computer Science	C	5	60	30		30		65				2		2
10	Micro thesis	F	7	50	50 hours*				125						
	Total		60	620	300	75	195	50	880						

PRESENTATION OF SAI DEPARTMENT

Curricula program

Second cycle degree: Master of Science in Information Systems **Academic Year :** 2016-2017 **Duration;** 3 semesters

No	Subjects	Subjects information							Workload					
									1st Semester/15 weeks			2nd Semester/15 weeks		
		A-F	ECTS	No. of hours in class	Lessons/ credits	Exercises /credits	Labs/ credits	No. of hours not in class	Lessons	Exercises	Laboraotory	Lessons	Exercises	Laboraotory
First Year														
1	Advanced web programming	B	6	60	30/3	15/2	15/1	90	2	1	1			
2	E-Commerce/E-Business	B	5	60	30/3	-	30/2	65	2	-	2			
3	DB analysis and design	B	7	75	45/4.5	8/1	22/1.5	100	3	0,5	1,5			
4	Software Engineering	A	6	60	30/3	15/2	15/1	90	2	1	1			
5	Time series analysis	B	6	60	30/3	15/2	15/1	90	2	1	1			
6	Research Methodologies	B	6	60	30/3	15/2	15/1	90				2	1	1
7	Special course in Economy	C	5	60	30/3	30/2	-	65				2	2	-
8	Operational Research	A	6	60	30/3	15/2	15/1	90				2	1	1
9	Business Modeling	B	6	60	30/3	15/2	15/1	90				2	1	1
10	Information Systems analysis and design	B	7	75	45/4.5	8/1	22/1.5	100				3	0,5	1,5
	Total First Year		60	630	330	136	164	870						
Second Year														
1	Mobile Applications	C	7	75	45/4.5	8/1	22/1.5	100	3	0,5	1,5			
2	Optional 1	D	6	60	30/3	15/2	15/1	90	2	1	1			
3	Optional 2	D	6	60	30/3	15/2	15/1	90	2	1	1			
4	Artificial Intelligence	B	6	60	30/3	15/2	15/1	90	2	1	1			
5	Practical/Internship	E	5	125				0						
6	Research project and thesis	F	30	175				575						
	Total Second Year			**60**	**555**	**150**	**-**	**180**	**575**					
	Total			**120**	**1185**	**480**	**136**	**344**	**1445**					

Optional 1. 1. Knowledge management 2. Distributed Systems 3. E-Marketing 4. Accounting Information Systems
Optional 2. 1. Data analysis 2. Quality Assurance 3. Game theory 4. Business Simulation methodologies 5. Markets and financial institutions
Optional 3. 1. Image processing. 2. GIS. 3. Cryptography

PRESENTATION OF SAI DEPARTMENT

Curricula program

Second cycle degree: Master of Science "Information Security" **Academic Year :** 2016-2017 **Duration;** 3 semesters

No	Subjects	Subject Information							Workload					
									1st Semester/15 weeks			2nd semester/15 weeks		
		A-F	ECTS	No. of hours in class	Lessons/credits	Exercises/credits	Labs/credits	No. of hours not in class	Lessons	Exercises	Labs	Lessons	Exercises	Labs
First Year														
1	Research Methodologies	A	6	60	30/3	15/2	15/1	90	2	1	1			
2	Secure DB Management	B	6	60	30/3	15/2	15/1	90	2	1	1			
3	Software Engineering and Security trends	B	6	60	30/3	15/2	15/1	90	2	1	1			
4	Cryptology	B	7	75	45/4.5	15/1	15/1.5	100	3	1	1			
5	Information Systems Analysis and Design	B	6	60	30/3	15/2	15/1	90	2	1	1			
6	Advanced Issues of Information Security	B	6	60	30/3	15/2	15/1	90				2	1	1
7	Network Security	B	6	60	30/3	15/2	15/1	90				2	1	1
8	Security Planning and Incident Management	B	7	75	45/4.5	15/1	15/1.5	100				3	1	1
9	Information Security Economics	C	6	60	30/3	15/2	15/1	90				2	1	1
10	Theories and Mobile Applications	C	6	60	30/3	15/2	15/1	90				2	1	1
Total First Year			***62***	***630***	***330***	***150***	***150***	***920***						
Second Year														
1	Information Systems Security	B	7	75	45/4.5	15/1	15/1.5	100	3	1	1			
2	Special Course	A	6	60	30/3	15/2	15/1	90	2	1	1			
3	Optional [1]	D	5	60	30/3	15/1	15/1	65	2	1	1			
4	Optional [2]	D	5	60	30/3	15/1	15/1	65	2	1	1			
5	Practice	E	5	125	125 hr. of practice			0				125 hr. of practice		
6	Micro thesis	F	30	175	175 hr. consult.			575				175 hr. consult.		
Total Second Year			***58***	***555***	***135***	***60***	***60***	***895***						
Total			***120***	***1185***	***465***	***210***	***210***	***1815***						

PRESENTATION OF SAI DEPARTMENT

Curricula program

Second cycle degree: Master of Science "Operational Research" **Academic Year :** 2016-2017 **Duration;** 3 semesters

No	Subjects	Subject Information							Workload					
									1st Semester/15 weeks			2nd semester/15 weeks		
		A-F	ECTS	No. of hours in class	Lessons/credits	Exercises/credits	Labs/credits	No. of hours not in class	Lessons	Exercises	Labs	Lessons	Exercises	Labs
First Year														
1	Advanced Management	B	6	60	30/3	15/2	15/1	90	2	1	1			
2	Management of Resources and Operations	B	6	60	30/3	15/2	15/1	90	2	1	1			
3	Special Course in Economy	A	6	60	30/3	15/2	15/1	90	2	1	1			
4	Simulation and Decision Making	B	6	60	30/3	15/1	15/1	90	2	1	1			
5	Operational Research	A	6	60	30/3	15/2	15/1	90	2	1	1			
6	Research Methodologies	B	6	60	30/3	15/2	15/1	90				2	1	1
7	Statistics and Data Modeling	A	6	60	30/3	15/2	15/1	90				2	1	1
8	Advanced Issues of Operational Research	B	6	60	30/3	15/1	15/1	90				2	1	1
9	Business Intelligence	C	6	60	30/3	15/2	15/1	90				2	1	1
10	Management of Supply Chain	C	6	60	30/3	15/2	15/1	90				2	1	1
	Total First Year		*60*	*600*	*300*	*150*	*150*	*900*						
Second Year														
1	Management of Information Systems	B	5	60	30/3	-	30/2	65	2	-	2			
2	Business Modeling	B	5	60	30/3	-	30/2	65	2	-	2			
3	Prediction and Risk Analysis	B	5	60	30/3	-	30/2	65	2	-	2			
4	Optional [1]	D	5	60	30/3	-	30/2	65	2	-	2			
5	Optional [2]	D	5	60	30/3			-	30/2	65	2	-		
6	Practice	E	5	125	125 practice			0				125 practice		
7	Micro thesis	F	30	175	175 hr. consult.			575				175 hr. consult.		
	Total Second Year		*60*	*600*	*150*	-	*180*	*900*						
	Total		*120*	*1200*	*450*	*150*	*330*	*1800*						

PRESENTATION OF SAI DEPARTMENT

The Doctoral School offers two Programs of study:

- “Information Systems in Economy”
- “Statistics”

Both programs develop strong research and scholarly skills in their students and place graduates in academic, research and industry positions.

- The total number of enrolled students is more than 90, from whom 30 already graduated.

PRESENTATION OF SAI DEPARTMENT

PHD THESIS ON MODELLING

Modeling an Intelligent Application for time series forecasting with Neural Networks

•Artificial neural network are known as a comparison solution for modeling time series forecasting.

•In this thesis it is described the analysis and designing steps necessary to build an application which can automatically select the 'best' neural network structure.

•The design proposed takes advantages from modularization as a solution for complexity treatment and parallelization for accelerating the response.

PRESENTATION OF SAI DEPARTMENT

Customer Churn Prediction in Mobile Telecommunications by Using Hybrid Data Mining Model

- Performing customer behavior analysis
- Utilizing data mining techniques to build an efficient hybrid model, which supports customer churn prediction
- Identifying the customers who are potential to leave
  - Voluntary
  - forced by the company due to unpaid debts or fraudulent behavior
- Design an application for managing data preparation in automatic centralized and self-controlled way
- Evaluating the hybrid models efficiency in comparison to benchmark cases, when no combination of data mining techniques is applied
- Data mining techniques are very efficient for customer behavior analysis and customer churn prediction

PRESENTATION OF SAI DEPARTMENT

Conferences organized by the Department of Statistics and Applied Informatics are:

- "The role of Information and Communication Technology in the development of the Albanian society" (2010)
- "Information Systems and Technologies and their importance in the economic development" (2011)
- "Information Systems and Technology Innovations: their Application in Economy" (2012)
- "Information Systems and Technology Innovations: toward a digital Economy" (2013)
- "Information Systems and Technology Innovations: projecting trends to a New Economy" (2014)
- "Information Systems and Technology Innovations: inducting Modern Business Solutions" (2015)
- "Information Systems and Technology Innovations: the New Paradigm for a Smarter Economy" (2016)

For more information please follow this link**:**

www.conference.ijsint.org

RESEARCH FIELDS

- Implementing Information Systems;
- Open source;
- Modeling and Simulation/ Business modeling;
- Artificial Intelligence/Business Intelligence/Data Mining;
- Web semantics and ontology;
- Information security;
- Ecommerce/e-Business/e-Services;
- Multimedia;
- Data quality;
- Software Engineering;
- Public Statistics;

PRESENTATION OF SAI DEPARTMENT

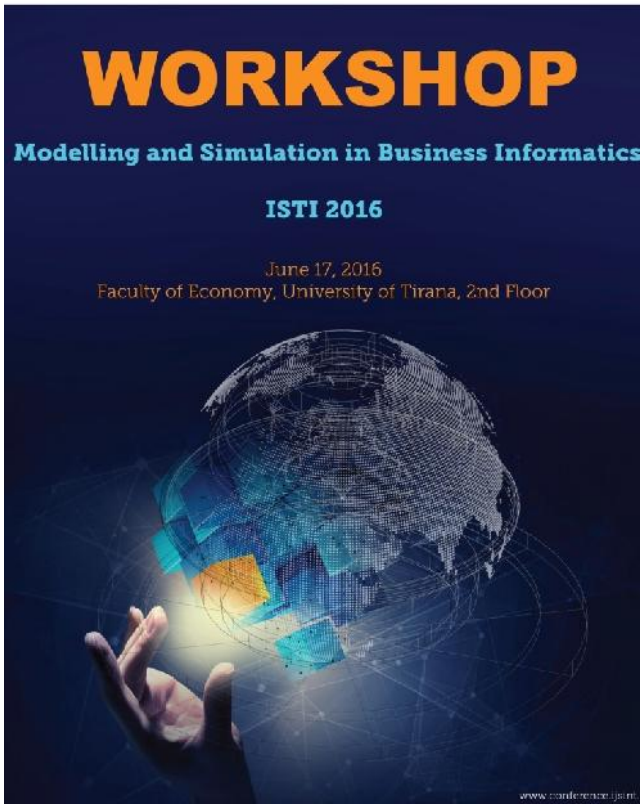
CONFERENCES

www.conference.ijsint.org

PRESENTATION OF SAI DEPARTMENT

Workshop on "Modeling and Simulation in Business Informatics" in collaboration with Vienna University of Technology

- Part of International Conference "ISTI 2016: the New Paradigm for a Smarter Economy".
- Goals:
  - To combine the application-oriented field of business informatics with theoretical knowledge about modeling and simulation.
  - The creation of joint scientific contributions about the appliance of methods of modeling and simulation in the field of business informatics, business processes, e-learning, government and their impact in other fields of socio-economical life.



PRESENTATION OF SAI DEPARTMENT

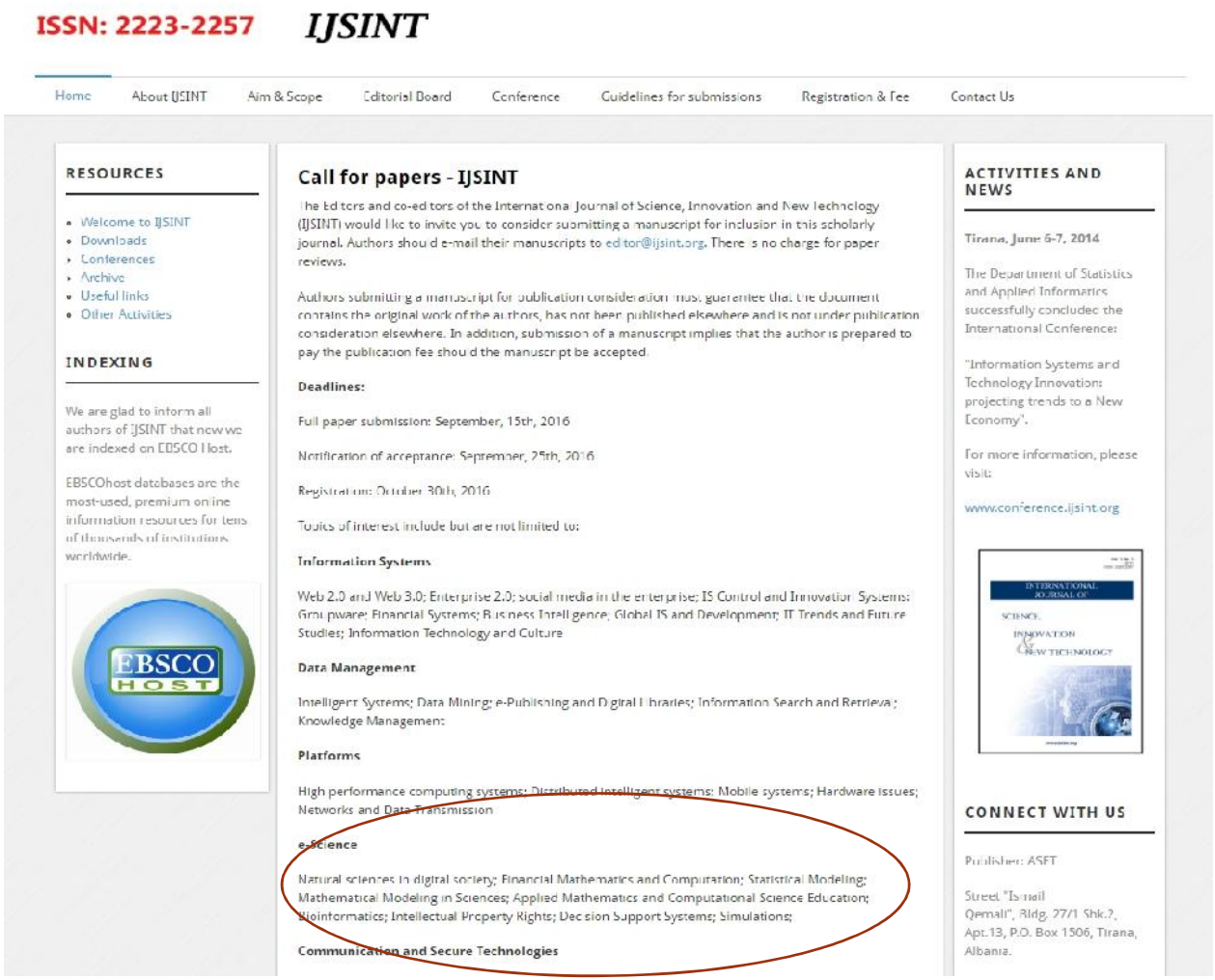
Federation of European Simulation Societies

Prof. Dr. Kozeta Sevrani was invited from “Federation of European Simulation Societies” to follow the meeting of the board of directors of this society on February 2015.

In this meeting, Prof. Dr. Kozeta Sevrani made a presentation for the potential opportunities for the development of mathematical modeling and simulation in Albania.

For the first time, Albania was accepted in the status of the *observer* in the European organization of modeling and simulation.

International Journal of Science, Innovations and New Technologies (http://ijsint.org)



A quarterly journal, indexed in EBSCOHOST

PRESENTATION OF SAI DEPARTMENT

Projects

-"Academic Exchange for Progress" project in collaboration with University of Gjovik (NTNU-former GUC), Norway; partners: 2 University from Kosovo and 1 from FYROM

- 15 students (bachelor and Master) attended one semester in Norway
- 1 lecturer attended a 3 year PhD program

-StudAVP project, as part of the TEMPUS Program, with the support of EU.

- Started on December 2013 and will finish in December 2016.
- We were represented with challenging projects, where among 10 winning projects from all partners, 3 were from FE, UT.

- **"KA1 Mobility – ERASMUS+ 2015-2017"** project in collaboration with University of Lund, Sweden.

"KA1 Mobility – ERASMUS+ 2014-2016" project in collaboration with Norwegian University of Science and Technology (NTNU), Gjovik, Norway.

PRESENTATION OF SAI DEPARTMENT

Projects

NTNU - **"KA1 Mobility for Learners and Staff – ERASMUS + 2016-2018"** project in collaboration with Norwegian University of Science and Technology (NTNU), Gjovik, Norway.

FNS SNF - "**Strengthening the role of Eastern European Manufacturing Sites in Manufacturing Networks: The influence of Absorptive Capacities**" project, since 2014, financed by the Swiss agency SCOPES.

- From a list of overall 400 institutions applying, this project was one of the 50 winning projects, which denotes a fine-grained selection.

Linnéuniversitetet - **"Linnaeus-Palme exchange program"**

As a result of a successful collaboration, our department was for the second time part of this project that is implemented jointly with the School of Computer Science, Physics and Mathematics, Department of Informatics at Linnaeus University in Växjö, Sweden.

PRESENTATION OF SAI DEPARTMENT

Projects

eurostudent.eu

- **Euro Student**

The main aim of the EUROSTUDENT project is to collect comparable data on the social dimension of European higher education.

•It focuses on the socio-economic background and on the living conditions of students, but it also investigates temporary international mobility. The project strives to provide reliable and insightful cross-country comparisons.

•The sixth round of EUROSTUDENT began in January 2016 and will be completed in May 2018. The results will be published in spring 2018.

This is the first round that Albania is participating. We are interviewing around 4000 students in public and private universities in the whole country.

PRESENTATION OF SAI DEPARTMENT

Projects

-Mathematical Modeling and Simulation in Business Informatics. The Cooperation Program between the Republic of Albania and the Republic of Austria has built the framework for a bilateral collaboration between our department and the research group Mathematical Computing at the Institute for Analysis and Scientific Computing at Vienna University of Technology (TUW).

The aim was to create scientific value in conferences and scientific journals over the application of modeling and simulation methods.

•More than 100 students in Master Programs have studied the subject "Mathematical Modeling and Simulation" (MMS).

•Some of the students have chosen their Master thesis in MMS:

- A modeling approach for financial analysis of real estate market in Tirana;
- Modeling of exchange rate volatility in Albania;
- etc.

PRESENTATION OF SAI DEPARTMENT

Projects

- Modeling, Simulation and Computer-aided Design in Engineering and Management

The CEEPUS network modeling, simulation and computer-aided design in engineering and management focuses on the various applications in technical as well as economical areas and their fundamental principles. This network supports:

- the mobility of lecturers
- the mobility of students
- Joint program - Thèse en cotutelle on "Modeling, Simulation and Computer-aided Design in Engineering and Management.

PRESENTATION OF SAI DEPARTMENT

Modeling, Simulation and Computer-aided Design in Engineering and Management

The opportunities in CEEPUS network:

•To continue sustainable scientific value in conferences and scientific journals over the application of modeling and simulation methods;

•Department of SAI as part of the FE, it will be useful to continue the application of modeling and simulation methods in fields of economy (business informatics, business processes etc.);

•Lecturer Mobility – the lecturers of our Department can offer their experience and knowledge on the following areas:

- Information Systems, Modeling and Simulation in Economic Processes, Business Informatics;
- Application of Modeling and Simulation in Different Aspects of Business, Technology and Innovation for Better Decision Making;
- Lecturers from other universities can also offer their experience and expertise to our students.

PRESENTATION OF SAI DEPARTMENT

- **Modeling, Simulation and Computer-aided Design in Engineering and Management**

•Student Mobility two way exchange;

•Master thesis and PhD studies (2nd and 3rd cycle studies) with co-supervision;

•Organizing joint activities in the frame of ISTI conference;

•Joint publications in scientific journals.

International Tourism to Albania

Thank You!!