ITI2007

29TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY INTERFACES

Conference
PROGRAM

June 25-28, 2007, Cavtat/Dubrovnik, Croatia

ITI 2007 Conference-at-a-Glance
Monday, June 25 and Tuesday, June 26

		A ORLANDO	B ŠIPUN	C SALON 6	D BOBARA	
Monday, June 25	Morning	**1A. ITI 2007 OPENING** AND **WELCOME**				Morning
		2A. Invited Lecture R. D. De Veaux				
		3A. Invited Lecture P. Halloran				
		4A. Knowledge Discovery in Education, Government, Industry and Business	**4B. Workshop:** Presentation Skills, G. Nezlek	**4C.** Language Technologies	**4D.** ICT in Education	
		5A. SAS Presentation				
		LUNCH				
	Afternoon	**6A. Invited Lecture** B. Bogacka				Afternoon
		7A. Knowledge Discovery in Education, Government, Industry and Business	**7B. Workshop:** Presentation Skills, G. Nezlek	**7C.** Language Technologies	**7D.** ICT in Education	
		8A. Knowledge Discovery in Education, Government, Industry and Business	**8B. Workshop:** Presentation Skills, G. Nezlek	**8C.** Language Technologies	**8D.** ICT in Education	
					9D. Panel: New Technologies for New Education, V. Glavinic	
		ITI WELCOME COCKTAIL, 21:00 – 22:30 (light dinner included)				
Tuesday, June 26	Morning	**10A. Invited Lecture** F. Muguet				Morning
		11A.				
		12A. Modeling Simulation and Optimization	**12B. Workshop:** Visualisation in **Science**, N. Tepic		**12D.** Information Society	
		LUNCH				
	Afternoon	**13A.** Modeling Simulation and Optimization	**13B. BIOSTAT School:** Design of Experiments for Non-Linear Models, B. Bogacka	**13C.** Knowledge Management and E-Commerce	**13D.** ICT in Education	Afternoon
		14A. Modeling Simulation and Optimization	**14B. BIOSTAT School:** Design of Experiments for Non-Linear Models, B. Bogacka	**14C.** Knowledge Management and E-Commerce	**14D.** ICT in Education	
		15A. Modeling Simulation and Optimization	**15B.** Knowledge Discovery in Education, Government, Industry and Business	**15C.** Information Society	**15D.** ICT in Education	
				16C. IPC Meeting		
		ITI NIGHT CLUB PARTY, 21:00				

ITI 2007 Conference-at-a-Glance
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		ITI NIGHT CLUB PARTY, 21:00				

Monday, June 25

Tuesday, June 26

ITI 2007 Conference-at-a-Glance
Wednesday, June 27 and Thursday, June 28

		A ORLANDO	B ŠIPUN	C SALON 6	D BOBARA		
Wednesday, June 27	Morning	**17A. Workshop:** Successful Data Mining in Practice, R. D. De Veaux	**17B.** Poster Session		**17D.** Networking, Grids, Middleware and Distributed Platforms	Morning	**Wednesday, June 27**
		18A. Workshop: Successful Data Mining in Practice, R. D. De Veaux	**18B.** Poster Session		**18D.** Networking, Grids, Middleware and Distributed Platforms		
		LUNCH					
	Afternoon	ITI EXCURSION, 15:00 ITI GALA DINNER, 20:30				Afternoon	
Thursday, June 28	Morning	**19A. Invited Lecture M. F. Moens**				Morning	**Thursday, June 28**
		20A. Human Computer Interaction	**20B. Statistics Lecture,** R. Viertl Data Mining, Statistics and Biometrics	**20C.** Theory of Computing and Computing Methodologies	**20D.** Intelligent and Multi-Agent Systems		
		21A. Human Computer Interaction	**21B.** Data Mining, Statistics and Biometrics	**21C.** Theory of Computing and Computing Methodologies	**21D.** Intelligent and Multi-Agent Systems		
		22A. Human Computer Interaction	**22B.** Data Mining, Statistics and Biometrics	**22C.** Theory of Computing and Computing Methodologies	**22D.** Databases, Data Warehousing and Information Systems		
		LUNCH					
	Afternoon	**23A.** Human Computer Interaction	**23B.** Computing in Business and Finance		**23D.** Databases, Data Warehousing and Information Systems	Afternoon	
		24A. ITI 2007 CLOSING AND AWARDS					

CONTRIBUTED PAPER SESSIONS

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SPECIAL SESSION: Knowledge Discovery in Education, Government, Industry and Business

Computing in Business and Finance
Databases, Data Warehousing and Information Systems
Data Mining, Statistics and Biometrics
Human Computer Interaction
ICT in Education
Information Society
Intelligent and Multi-Agent Systems
Knowledge Management and E-Commerce
Language Technologies
Modeling, Simulation and Optimization
Networking, Grids, Middleware and Distributed Platforms
Theory of Computing and Computing Methodologies

INVITED LECTURES (in alphabetical order)

IINVITED LECTURES

Anthony C. Atkinson, London School of Economics, UK

Building Regression Models with the Forward Search
Tuesday, June 26, 10:00-11:00, Orlando Hall

Barbara Bogacka, Queen Mary and Westfield College, University of London, UK

D-Efficient Window Designs for Non-Linear Models
Monday, June 25, 15:00-16:00, Orlando Hall

Richard D. De Veaux, Bronfman Science Center, Williams College, USA
Data Mining in the Real World: Lessons Learned from the Mining Pit
Monday, June 25, 10:00-11:00, Orlando Hall

Pat Halloran, Griffith University - Logan Campus, Brisbane, Australia
How Work Integrated Learning Can Meet the Changing Needs of ICT in Higher Education
Monday, June 25, 11:30-12:30, Orlando Hall

Marie-Francine Moens, Katholieke Universiteit Leueven, Belgium
Information Extraction: The Power of Words and Pictures
Thursday, June 28, 9:00-10:00, Orlando Hall

Francis F. Muguet, Knowledge Networks & Informations Society, E.N.S.T.A, France
Interaction between Policy and Technology: An Assessment in the Aftermath of the World Summit on the Information Society
Tuesday, June 26, 9:00-10:00, Orlando Hall

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WORKSHOPS

Title: **Presentation Skills - *Your 15 Minutes of Fame: Making the Most of Them***

Presenter: **George S. Nezlek**, *Grand Valley State University, USA*

The late Andy Warhol is credited with the notion that everyone gets to be famous for 15 minutes - after which the public's attention moves on to something else. Research presentations are rather like those 15 minutes, assuming that you can engage your audience in what you are trying to say. HOW you choose to present your research can have a significant effect on whether or not your research is remembered, and why. In this workshop, participants will consider some of the most common things that separate good presentations from the ones that people tend to walk out on.

Monday, June 25, 12:30-18:00, Šipun Salon

Title: **Successful Data Mining in Practice**

Presenter: **Richard D. De Veaux**, *Bronfman Science Center, Williams College, USA*

This workshop will be a practical introduction to and an overview of data mining. Data mining is the exploration and analysis of large data sets by automatic or semiautomatic means with the purpose of discovering meaningful patterns. The knowledge learned from theses patterns can then be used for decision making via a process known as "knowledge discovery". Much of exploratory data analysis and inferential statistics concern the same type of problems so what is different about data mining? What is similar? In the course, Dr. De Veaux will attempt to answer these questions by providing a broad survey of the problems that motivate data mining and the approaches at are used to solve them. The course will be case-study and data-set based and will cover many of the algorithms used in data mining from an applications perspective. The applications will come from a wide variety of industries and include some applications from De Veaux's experiences as a consultant for companies that deal with such topics as financial services, chemical processing, pharmaceuticals, and insurance. Some of the topics to be covered include: identify appropriate problems for data mining, learn how to explore and prepare data for mining, apply two-stage models, use a variety of techniques including decision trees and neural nets to build accurate predictive models, evaluate the quality of models, select the appropriate data mining tools for applications.

Wednesday, June 27, 9:00-13:30, Orlando Hall

Title: **Visualization in Science**

Presenter: **Nataša Tepić**, *Ruđer Bošković Institute, Croatia*

Old chinese proverbs says «A picture is worth one thousand words». But is this true? In some cases a thousand words may fall pitifully short. In other cases a thousand words would be far too many. Can you tell how much is worth your plot, chart or graph?

Due to easy access to friendly-to-use graphical and tabular software, sometimes we have opportunity to be too creative. Good data visualization is a fine balance between informativeness and attractiveness. In this workshop participants will learn how to avoid all traps in a process of data visualization.

Also, topics that will be discussed during the workshop are: Human visual system, Optical illusions – what they got to do with it?, History of data visualization, The best and worst of statistical graphics, The evils of using 3D effects in graphs, Pie charts and visualization diets, Color blind graphs, Things to absolutely avoid in visualization. This workshop is particularly intended for students, but all conference attendees are welcome. Especially, if they want to discuss examples of bad data visualization. Don't break the Myth: Learn how to create picture worth a thousand words.

Tuesday, June 26, 11:30-13:30, Šipun Salon

PANEL (all participants are invited)

Title: **New Technologies for New Education**

Moderator: **Vlado Glavinić,** *University of Zagreb, Croatia*

Monday, June 25, 18:00-19:00, Bobara Hall

WORKSHOPS / PANEL

BIOSTAT 2007 Events /14th MEETING OF RESEARCHERS IN BIOMETRICS/STATISTICS

14th MEETING OF RESEARCHERS IN BIOMETRICS/STATISTICS

BIOSTAT Topics:
Problems in bio-information analysis
-Data Visualisation
-Space Reduction Methods
-Prediction and Classification
-Time and Space Modeling
-Computationally Intensive Methods
-Other

Chair: Maria Pecina

ITI Topic Data Mining, Statistics and Biometrics
Thursday, June 28, 10:20-13:30, Šipun Salon

12th SCHOOL OF BIOMETRICS, Tuesday, June 26, 15:00-18:00

Invited Lecturer:

Barbara Bogacka, Queen Mary and Westfield College, University of London, UK

Title: **Design of Exsperiments for Non-Linear Models**

Abstract: Experimental design problems when the response is a function which is non-linear with respect to the unknown parameters will be discussed. As in linear models, here too, the chosen design can make a difference to the precision of the estimated parameters. Various criteria can be used to optimize the choice of design depending on the particular practical problem.

Similarly, when there is more than one alternative model, an optimum design for model discrimination may help in making decisions about which model to choose as the most appropriate one.

Theoretical background for optimum design for model discrimination and parameter estimation will be presented and supported by the examples from chemistry and drug development. Properties of such designs will be presented and the problems in obtaining optimum designs (coming from the non-linearity of the model) will be discussed.

Chair: Marija Pecina

STATISTICS LECTURE

Title: **Fuzzy Data in Information Systems**

Lecturer: **Reinhard Viertl**, *Technical University of Wienna, Austria*

Abstract:
In the contribution mathematical details concerning fuzzy numbers and of the approximation of characterizing functions of fuzzy numbers based on storing a finite number of δ-cuts will be given.

Thursday, June 28, 10:00-10:20, Šipun Salon

BIOSTAT CO-ORGANIZERS

University Computing Centre

Croatian Biometric Society HBMD

ITI 2007 Conference Social Events

ITI WELCOME COCKTAIL - Monday, June 25, 21:00 - 22:30

All the participants are kindly invited to the welcome cocktail, which will take place in the area adjacent to the outdoor swimming-pool of the Croatia Hotel. Light dinner and drinks will be served.

ITI NIGHT CLUB PARTY - Tuesday, June 26, 21:00

Join your colleagues at ITI Night Club Party on Tuesday evening in the Night Bar Posejdon. We are providing two coupons that you can exchange for two complimentary drinks at the Night Bar.

ITI EXCURSION - Wednesday, June 27, 15:00

A guided walking tour through Dubrovnik's main architectural and heritage sites, followed by a dinner at the Beach Restaurant of Croatia Hotel is planned for Wednesday afternoon/evening.

DUBROVNIK PANORAMA & SIGHTSEEING BY BOAT FROM CAVTAT

15:00 Departure from Cavtat harbor by boat, on board the "Gospa od Kamena". Live music.
15:45 Arrival at Old Dubrovnik Harbor from which a guided city tour (Rector's Palace and Dominican Monastery) will start.
17:30 Arrival at Konoba Posat where refreshment drinks (cocktails, vine, domestic brandy, prosseco, soft drinks, juices, sparkling waters, etc.) will be served on the terrace.
18:30 Assembly at the boat for boarding/departure from Old Dubrovnik Harbor.
19:30 Arrival Cavtat.

The Rector's palace (built in 1441) was the seat of government and the residence of the Prince (Rector) of The Republic of Dubrovnik . The elected Rector was not permitted to leave this building during his one-month term without permission from the Senate. Today it is a museum with furnished rooms, baroque paintings, and many historical exhibits.

The Dominican Monastery, established as early as 1225, but the building of the church and the monastery was completed in the 14th century. The church is one of the largest Gothic buildings on the east Adriatic coast. A special treasure of this monastery is its library with over 220 incunables, numerous illustrated manuscripts, and rich archive with precious manuscripts and documents. The art collection is very rich, and the best painting of Dubrovnik school 15th-16th centuries have a special place among them. Of foreign paintings, the painted crucifix by the noted Venetian painter Paolo Veneziano from the 14th century and the altarpiece of St. Magdalene, a work of Tizian and his assistants from 1550 deserve especial attention.

Important Note:
Excursion boats depart at 15:00 hours on Wednesday from Cavtat harbor (10 minutes walk from Croatia hotel).
To board the excursion boat each participant must have his/her Excursion Ticket in hand.

ITI GALA DINNER - Wednesday, June 27, 20:30

Gala dinner will be served at the Beach Restaurant of Croatia Hotel.
Please have your Gala Dinner Entrance Card prepared to enter the restaurant.

ITI EXCURSION / GALA DINNER TICKETS

If you plan to join ITI Excursion and/or Gala Dinner please fill in the Invitation Form (provided with the Conference materials) and make sure to exchange it for the Excursion Ticket and/or Gala Dinner Entrance Card at the Conference Desk not later than Wednesday, June 27, 9:00 a.m. Additional tickets are available for sale at the Conference desk.

ITI CONFERENCE LUNCHES - June 25-28, 13:45 - 14:45

Lunches are included in the conference regular fee and will be served in "Konavle" restaurant. Your Conference pack contains four Lunch Tickets that are the official passes to the lunch room.
Please note that Lunch Tickets are color coded and valid for the day indicated on the ticket.
Additional Lunch Tickets are available for sale at the Conference desk.

COFFEE BREAKS - June 25-28

Refreshments will be served during coffee breaks (morning and afternoon), usually on the Orlando Hall terrace.

CONFERENCE DESK / REGISTRATION

REGISTRATION starts on Sunday, June 24 at 19:00

CONFERENCE DESK WORKING HOURS:

Sunday	June 24	19:00-21:00
Monday	June 25	08:00-19:30
Tuesday	June 26	08:00-19:30
Wednesday	June 27	08:00-14:00
Thursday	June 28	08:30-17:30

Entrance to the CONFERENCE EVENTS:

Each participant will receive a name tag at registration.

The tag is the official pass for entry to all Conference events.

MESSAGES

Please check the Conference bulletin board from time to time for possible changes to the program and for other announcements.

INTERNET and WIRELESS ACCESS

INTERNET CAFE:

Internet cafe is located next to the Conference desk, and will be open during the Conference working hours.

ITI 2007 WIRELESS NETWORK:

Network parameters:

Wireless access is free of charge and provided by Croatia Hotel.

EDUROAM access, provided by SRCE, is also available to the Conference participants (SSID: eduroam), and covers Orlando Hall, Conference Desk and a section of the main entrance-hall. More information on EDUROAM is available at: www.eduroam.hr and www.eduroam.org .

Monday, June 25 - A - ORLANDO

9:30–10:00	**Session 1A / OPENING & WELCOME**
10:00-11:00	**Session 2A / Chair: Blaz Zupan** INVITED LECTURE **Richard D. De Veaux** Data Mining in the Real World: Lessons Learned from the Mining Pit
11:00-11:30	**ITI WELCOME DRINK (sponsored by Croatia Hotel)**
11:30-12:30	**Session 3A / Chair: George S. Nezlek** INVITED LECTURE **Pat Halloran** How Work Integrated Learning Can Meet the Changing Needs of ICT in Higher Education
12:30-13:30	**Session 4A / Chair: Blaz Zupan** SPECIAL SESSION: **KNOWLEDGE DISCOVERY IN EDUCATION, GOVERNMENT, INDUSTRY AND BUSINESS** *Bauerova, D., Sein-Echaluce, M. L.* **Open Dialog as a Tool for University Education** *Jovic, A., Bogunovic, N.* **Feature Extraction for ECG Time-Series Mining Based on Chaos Theory** *Ćurko, K., Pejic Bach, M., Radonić, G.* **Business Intelligence and Business Process Management in Banking Operations**
13:30-13:45	**Session 5A** **SAS Presentation** Presenter: Niksa Ilovic **The New Approach to Business Intelligence and Correlations to Business Challenges**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**

15:00–16:00	**Session 6A / Chair: Anamarija Jazbec** **INVITED LECTURE** **Barbara Bogacka,Volkov, O., Johnson, P. J., Jones, B.** D-Efficient Window Designs for Non-Linear Models
16:00–16:40	**Session 7A / Chair: Blaz Zupan** **SPECIAL SESSION:** **KNOWLEDGE DISCOVERY IN EDUCATION, GOVERNMENT, INDUSTRY AND BUSINESS** *Štambuk, A., Štambuk, N., Konjevoda, P.* **Application of Kohonen Self-Organizing Maps (SOM) Based Clustering for the Assessment of Religious Motivation** *Benabdeslem, K., Lebbah, M.* **Feature Selection for Self-Organizing Map**
16:40-17:00	**COFFEE BREAK -ORLANDO HALL- TERRACE**
17:00–18:00	**Session 8A / Chair: Blaz Zupan** **SPECIAL SESSION:** **KNOWLEDGE DISCOVERY IN EDUCATION, GOVERNMENT, INDUSTRY AND BUSINESS** *Vidulin, V., Luštrek, M., Gams, M.* **Training the Genre Classifier for Automatic Classification of Web Pages** *Schatten, M., Zugaj, M.* **Organizing a Fishnet Structure** *Kess, P., Torkko, M., Phusavat, K.* **Knowledge Transfer for Effective Outsourcing Relationships**
21:00-22:30	**ITI WELCOME COCKTAIL (light dinner included)**

12:30–13:30	**Session 4B** **PRESENTATION SKILLS WORKSHOP** **Presenter: George S. Nezlek** **Your 15 Minutes of Fame: Making the Most of Them...**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**

16:00–16:40	**Session 7B** **PRESENTATION SKILLS WORKSHOP** **Presenter: George S. Nezlek** **Your 15 Minutes of Fame: Making the Most of Them...**
16:40-17:00	**COFFEE BREAK - ORLANDO HALL- TERRACE**
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21:00-22:30	**ITI WELCOME COCKTAIL (light dinner included)**

PRESENTATION TIME AND EQUIPMENT

Presentation Time

Invited papers: 60 minutes, including discussion.

Contributed papers: 20 minutes, including discussion.

Posters: 4 days on display + 15 minutes optional presentation (as desired) including discussion within designated Poster Sessions.

Equipment

1) PC (Microsoft Windows XP and MS Office 2003)

2) Projector, and

3) Overhead projector.

You may present using your notebook. Alternatively, you may bring your presentation on CD media or on a USB stick and use our PC.

Language

The official language of the ITI Conference is English.

STUDENT PAPER COMPETITION

The lead student author must present the paper in the designated Conference Session. The papers will be judged based on written technical content and on presentation effectiveness. The Competition Judges will select two outstanding student papers. During the Closing Ceremony special certificates will be awarded to the student authors of the winning papers; and prizes will be given to the lead student author of the winning papers.

Awards Sponzors

12:30-13:30	**Session 4C / Chair: Dunja Mladenic** **LANGUAGE TECHNOLOGIES** *Dalbelo Bašić, B., Dovedan, Z., Raffaelli, I., Seljan, S., Tadić, M.* **Computational Linguistic Models and Language Technologies for Croatian** *Ilijašić Mišić, I., Kovačić, B., Mohorić, T., Mladenić, D., Fortuna, B., Grobelnik, M.* **User Study of Ontology Generation Tool** *Jovic, A., Prcela, M., Gamberger, D.* **Ontologies in Medical Knowledge Representation**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**

16:00-16:40	**Session 7C / Chair: Dunja Mladenic** **LANGUAGE TECHNOLOGIES** *Šilić, A., Šarić, F., Dalbelo Bašić, B., Šnajder, J. (Student paper)* **TMT: Object-Oriented Text Classification Library** *Ljubešić, N., Mikelić, N., Boras, D.* **Language Identification: How to Distinguish Similar Languages?**
16:40-17:00	COFFEE BREAK - ORLANDO HALL- TERRACE
17:00-17:40	**Session 8C / Chair: Dunja Mladenic** **LANGUAGE TECHNOLOGIES** *Mladenić, D., Grobelnik, M.* **Evaluation of Semi-Automatic Ontology Generation in Real-World Setting** *Strahonja, V.* **The Evaluation Criteria of Workflow Metamodels**
21:00-22:30	ITI WELCOME COCKTAIL (light dinner included)

12:30-13:30	**Session 4D / Chair: Leo Budin** **ICT IN EDUCATION** *Helic, D.* **Managing Collaborative Learning Processes in e-Learning Applications** *Kiili, K., Ketamo, H.* **Exploring the Learning Mechanism in Educational Games** *Aukstakalnis, N., Baniulis, K., Tamulynas, B.* **Enhanced Learning and Understanding in Knowledge Testing Environments**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**

16:00-16:40	**Session 7D / Chair: Vlado Glavinic** **ICT IN EDUCATION** *Marengo, A., Scalera, M., Convertini, N., Albanese, A. D.* **Integrating Systems to Enhance Learning Environments in Academia. A Case Study at University of Bari** *Granić, A., Nakić, J.* **Meeting User Individual Characteristics through Adaptive Interface of an e-Learning System: An Empirical Study Design**
16:40-17:00	**COFFEE BREAK - SALON ORLANDO - TERRACE**
17:00-18:00	**Session 8D / Chair: Vlado Glavinic** **ICT IN EDUCATION** *Glavinić, V., Kukec, M., Ljubić, S.* **Mobile Virtual Laboratory: Learning Digital Design** *Čišić, D., Tijan, E., Kurek, A.* **Mobile Game Based Learning – Taxonomy and Student Experience** *Haaparanta, H., Kiili, K., Multisilta, J.* **New Blow for Mobile Learning: iPods and Podcasting in Primary Schools**
18:00-19:00	**Session 9D / PANEL** **Moderator: Vlado Glavinic** **New Technologies for New Education**
21:00-22:30	**ITI WELCOME COCKTAIL (light dinner included)**

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9:00-10:00	**Session 10A / Chair: Diana Simic** **INVITED LECTURE** **Francis F. Muguet** Interaction between Policy and Technology: An Assessment in the Aftermath of the World Summit on the Information Society
10:00-11:00	**Session 11A / Chair: Vesna Luzar-Stiffler** **INVITED LECTURE** **Anthony C. Atkinson, Riani, M.** Building Regression Models with the Forward Search
11:00-11:30	**COFFEE BREAK - ORLANDO HALL- TERRACE**
11:30-13:30	**Session 12A / Chair: Zelimir Kurtanjek** **MODELING, SIMULATION AND OPTIMIZATION** *Tušek, A., Kurtanjek Ž.* **Systems Biology Markup Language: Case Study of T-Cell Signal Transduction Network** *Andriukaitis, D., Anilionis, R.* **Oxidation Process and Different Crystallographic Plane Orientation Dependence Simulation in Micro and Nano Scale Structures** *Dobeš, J., Grabner, M., Hruškovič, L.* **Identifying Model Parameters of Semiconductor Devices Using Optimization Techniques** *Akerholm, M., Froeberg, J., Sandstroem, K., Crnkovic, I.* **A Model for Reuse and Optimization of Embedded Software Components** *Noreika, A., Tarvydas, P.* **Analysis of Finite Element Method Equation Solvers** *Jankuniene, R.* **States Class Forming Optimization Task for Estimating of QoS**

13:45-14:45	ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)
15:00-16:40	**Session 13A / Chair: Zelimir Kurtanjek** **MODELING, SIMULATION AND OPTIMIZATION** *Baumgartner, A., Manger, R., Hocenski, Z.* **Work Function Algorithm with a Moving Window for Solving the On-Line k-Server Problem** *Martinovic, G., Karic, M., Zagar, D.* **Simulation Results on Multiple Sporadic Server Mechanism** *Zvironiene, A., Navickas, Z., Rindzevicius, R.* **Performance Analysis of an Asymmetric Internet Node** *Atanasovski, V., Gavrilovska, L.* **Cross-Layer Based MAC FEC Solution for IEEE 802.11a Links in Fading Channels** *Dekeris, B., Narbutaite, L., Adomkus, T.* **A New Adaptive Fair Queueing (AFQ) Scheduler for Support SLA**
16:40-17:00	COFFEE BREAK - SALON ORLANDO - TERRACE

17:00–18:00	**Session 14A / Chair: Kalman Ziha** **MODELING, SIMULATION AND OPTIMIZATION** *Fredriksson, J., Land, R.* **Reusable Component Analysis for Component-Based Embedded Real-Time Systems** *Stanković, T., Ziha, K., Pavković, N.* **Back-Tracing Technical Progress with Evolutionary Algorithms** *Balsys, K., Valinevicius, A., Zilys, M., Eidukas, D.* **Modelling of Intraurban Traffic Control Systems**
18:00–19:00	**Session 15A / Chair: Kalman Ziha** **MODELING, SIMULATION AND OPTIMIZATION** *Valinevicius, A., Zilys, M., Kilius, S.* **Mobile Technologies Applications in Security Systems** *Svilainis, L., Dumbrava, V.* **LED Far Field Pattern Approximation Performance Study** *Eidukas, D., Kalnius, R., Vaišvila, A.* **Probability Distribution Transformation in Continuous Information Systems Control**
21:00-...	**ITI NIGHT CLUB PARTY- NIGHT BAR POSEIDON**

Tuesday - Orlando - Afternoon

Notes:

Tuesday - Orlando

Tuesday, June 26 - B - ŠIPUN

11:30-13:30	**Session 12B** **WORKSHOP** **Presenter: Natasa Tepic** **Visualization in Science**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**

15:00–16:40	**Session 13B / Chair: Marija Pecina** **14TH BIOSTAT MEETING OF RESEARCHERS IN BIOMETRICS / STATISTICS** **12th School of Biometrics** **Lecturer: Barbara Bogacka** Design of Experiments for Non-Linear Models
16:40-17:00	**COFFEE BREAK - SALON ORLANDO - TERRACE**
17:00–18:00	**Session 14B / Chair: Marija Pecina** **14TH BIOSTAT MEETING OF RESEARCHERS IN BIOMETRICS / STATISTICS** **12th School of Biometrics** **Lecturer: Barbara Bogacka** Design of Experiments for Non-Linear Models
18:00–19:00	**Session 15B / Chair: Blaz Zupan** **SPECIAL SESSION:** **KNOWLEDGE DISCOVERY IN EDUCATION, GOVERNMENT, INDUSTRY AND BUSINESS** *Bresfelean, V. P. (Student paper)* **Analysis and Predictions of Students' Behavior Using Decision Trees in Weka Environment** *Bazanova, O., Kondratenko, A., Kondratenko, O., Mernaya, E., Zhimulev, E.* **New Computer-Based Technology to Teach Peak Performance in Musicians** *Mesarić, J., Dukić, B.* **An Approach to Creating Domain Ontologies for Higher Education in Economics** *Balsys, K., Valinevicius, A., Zilys, M., Eidukas, D.*
21:00- …	**ITI NIGHT CLUB PARTY - NIGHT BAR POSEIDON**

15:00–16:40	**Session 13C / Chair: Joze Kuzic** **KNOWLEDGE MANAGEMENT AND E-COMMERCE** *Milašinović, B., Fertalj, K., Nižetić, I.* **On Some Problems while Writing an Engine for Flow Control in Workflow Management Software** *Sarajlic, A., Omerasevic, D.* **Access Channels in m-Commerce Services** *Corradini, F., De Angelis, F., Ercoli, C., Polzonetti, A.* **A Services Management System for Small and Disadvantaged Communities** *Al-Alawi, A., Kuzic, J.* **Challenges of e-Business in Dubai's Development Industry** *Perko, I., Bobek, S.* **An Agent Model in BI Knowledge Intensive Environment**
16:40-17:00	**COFFEE BREAK - SALON ORLANDO - TERRACE**

17:00–18:00	**Session 14C / Chair: Joze Kuzic** **KNOWLEDGE MANAGEMENT AND E-COMMERCE** *Tomberg, V., Laanpere, M.* **Towards the Interoperability of Online Assessment Tools** *Harej, K., Vajde Horvat, R.* **Project Management Principles and Virtual Teams for Information Systems Development: Preliminary Proposal** *Ramakrishnan, Si., Ramakrishnan, Su.* **Business Process Ontology and Software Service Models for Environmentally Sustainable Manufacturing Enterprises**
18:00–18:40	**Session 15C / Chair: Diana Simic** **INFORMATION SOCIETY** *Drnasin, I., Veza, I.* **Concept of Information-Technology Cluster in Economy of Split-Dalmatian County** *Svilainis, L.* **Considerations of the Driving Electronics of LED Video Display**
19:00–20:00	**Session 16C / Chair: Vesna Luzar-Stiffler** **ITI IPC MEETING**
21:00-...	**ITI NIGHT CLUB PARTY - NIGHT BAR POSEIDON**

11:30–13:30	**Session 12D / Chair: Diana Simic** **INFORMATION SOCIETY** *Pleština, V., Turić, H., Papić, V. (Student paper)* **Constructive Education Approach: Robot Soccer** *Farrell, J., Nezlek, G. S. (Student paper)* **Rich Internet Applications: The Next Stage of Application Development** *Zauder, K., Lasić Lazić, J., Banek Zorica, M.* **Collaborative Tagging Supported Knowledge Discovery** *Corradini, F., Meschini, G., Polzonetti, A., Riganelli, O.* **A Rule-Driven Business Process Design** *Futo, I.* **A Functional IT Reference Model for Public Institutions** *Corradini, F., Marcantoni, F., Polzonetti, A., Re, B. (resceduled from session 22C)* **A Formal Model for Quality of Service Measurement in e-Government**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
15:00–16:40	**Session 13D / Chair: Leo Budin** **ICT IN EDUCATION** *Fetaji, M., Loskovska, S., Fetaji, B., Ebibi, M. (Student paper)* **Combining Virtual Learning Environment and Integrated Development Environment to Enhance e-Learning** *Zufic, J., Kalpic, D. (Student paper)* **Design Workshop for Use of WebCT in Education of Teachers**

15:00–16:40	*Fetaji, B., Fetaji, M. (Student paper)* **E-Learning Indicators Methodology Approach in Designing Successful e-Learning** *Fetaji, B., Osmani, S., Fetaji, M. (Student paper)* **Software Engineering Interactive e-Learning Mathematical Tool** *Abazi-Bexheti, L., Dika, Z., Luma, A.* **Interactive Multimedia Learning Systems: An Experience in Developing IMLS for the IT-Skills Course**
16:40-17:00	**COFFEE BREAK - SALON ORLANDO - TERRACE**
17:00–18:00	**Session 14D / Chair: Andrina Granic** **ICT IN EDUCATION** *Ishikawa, M., Kaneko, K., Miyakoda, H., Tsukahara, W.* **Design and Implementation of a Database System for Foreign-Word Learning Materials by iPods** *Chungurski, S., Arsenovski, S., Kraljevski, I., Kakashevski, G.* **SCORM as a Base Standard for Building and Representing Educational Contents with e-Testing Support** *Kljun, M., Vicic, J., Kavsek, B., Kavcic, A.* **Evaluating Comparisons and Evaluations of Learning Management Systems**
18:00-19:00	**Session 15D / Chair: Andrina Granic** **ICT IN EDUCATION** *Požgaj, Ž., Knežević, B.* **E-Learning: Survey on Students' Opinions** *Matijašević, B., Rončević, H., Orel, O.* **Agile Software Development Supporting Higher Education Reform** *Vicic, J., Kavsek, B., Kljun, M., Brodnik, A.* **Extending Traditional Learning by Enforcing Collaboration and Self-Assessment**
21:00-...	**ITI NIGHT CLUB PARTY - NIGHT BAR POSEIDON**

9:00–11:00	**Session 17A** **WORKSHOP** **Presenter: Richard D. De Veaux** **Successful Data Mining in Practice**
11:00 -11:30	**COFFEE BREAK - ORLANDO HALL - TERRACE**

11:30–13:30	**Session 18A** **WORKSHOP** **Presenter: Richard D. De Veaux** **Successful Data Mining in Practice**
13:45–14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
15:00-19:30	**ITI EXCURSION** **to the City of Dubrovnik**
20:30-24:00	**ITI CONFERENCE GALA DINNER - Beach Restaurant of Croatia Hotel**

9:00–11:00	**Session 17B / Chair: Maja Lamza-Maronic** **POSTER SESSION** **DATABASES, DATA WAREHOUSING AND INFORMATION SYSTEMS** Volner, R., Smrž, V. ***Radio Frequency Identification in Air Transport*** **DATA MINING, STATISTICS AND BIOMETRICS** Bazdan, V., Tretinjak, I., Grgić, N., Habus-Korbar, A. ***Methodology for Data Collection and Analysis with a View toward*** ***Continuous Evaluation and Improvement of the Croatian Secondary Education System*** Husar, A. ***Visa Information System*** Volner, R., Boreš, P. ***A Product Based Security Model for Smart Home Appliances*** Volner, R., Husar, A. ***Biometric Access Control and Crisis Management for Boarding Pass*** **ICT IN EDUCATION** Careva, K., Lisac, R., Vdovic, R. ***CMS in Education of Architects*** Lamza-Maronić, M., Glavaš, J., Puvača, M., Roso, D., Samardžija, L. ***Usage Level of the Internet and Its Applications (Faculty of Economics in Osijek - Case Study)*** Peraković, D., Kavran, Z., Remenar, V. ***Implementation of Information and Communication Technologies in the Teaching*** ***Process at the Faculty of Traffic and Transport Sciences***
11:00 -11:30	**COFFEE BREAK - ORLANDO HALL - TERRACE**

Wednesday - Šipun - Afternoon

Time	
11:30-13:00	**Session 18B / Chair: Maja Lamza-Maronic** **POSTER SESSION** HUMAN COMPUTER INTERACTION *A Context Sensitive Public Display for Adaptive Multi-User Information Visualization* Morales-Aranda, A. H., Mayora-Ibarra, O. INTELLIGENT AND MULTI-AGENT SYSTEMS *Multi-Modal Human-Computer Chess Player – The Turk 2* Fazekas, A., Sajo, L. *DTW Speech Recognition Engine Used as Speech Quality Estimator in Packet and Mobile Networks* Kraljevski, I., Arsenovski, S., Chungurski, S., Kakashevski, G. MODELING, SIMULATION AND OPTIMIZATION *RoboDancer: A MIDI-Driven Robot Animation* Dulimarta, H. *Optimization of Variable-Structure Robot Controller Parameters* Dušević, D., Krajci, V., Cecic, M. NETWORKING, GRIDS, MIDDLEWARE AND DISTRIBUTED PLATFORMS *Grid Enabled Medical Image Gathering System* Kakashevski, G., Loskovska, S., Buckovska, A., Dimitrovski, I.
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
15:00-19:30	**ITI EXCURSION** **to the City of Dubrovnik**
20:30-24:00	**ITI CONFERENCE GALA DINNER - Beach Restaurant of Croatia Hotel**

Wednesday, June 27 - D - BOBARA

9:00–11:00	**Session 17D / Chair: George S. Nezlek** **NETWORKING, GRIDS, MIDDLEWARE AND DISTRIBUTED PLATFORMS** *Blazona, B., Mihajlovic, Z. (Student paper)* **Visualization Service Based on Web Services** *Plestys, R., Vilutis, G., Sandonavicius, D., Vaskeviciute, R., Kavaliunas, R.* **The Measurement of Grid QoS Parameters** *Radic, B., Kajic, V., Imamagic, E.* **Optimization of Data Transfer for Grid Using GridFTP** *Zhang, J., Mustafee, N., Saville, J., Taylor, S. J. E.* **Integrating BOINC with Microsoft Excel: A Case Study** *Cale, I., Salihovic, A., Ivekovic, M.* **Gigabit Passive Optical Network – GPON** *Koskela, M., Ylinen, J., Loula, P.* **A Framework for Integration of Radio Frequency Identification and Rich Internet Applications**
11:00 -11:30	**COFFEE BREAK - ORLANDO HALL - TERRACE**

11:30 -13:10	**Session 18D / Chair: George S. Nezlek** **NETWORKING, GRIDS, MIDDLEWARE AND DISTRIBUTED PLATFORMS** *Kukec, A., Groš, S., Glavinić, V.* **Implementation of Certificate Based Authentication in IKEv2 Protocol** *Vilutis, G., Kavaliunas, R., Butkus, G.* **Computer Network Resource Management** *Stanfel, Z., Hocenski, Z., Martinovic, G.* **A Self Manageable Rule Driven Enterprise Application** *Katić, T., Pale, P.* **Optimization of Firewall Rules** *Van, N. H., Popov, O., Popova, I.* **Extending the Combined Model for Congestion Control to Heterogeneous Networks**
13:45–14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
15:00-19:30	**ITI EXCURSION** **to the City of Dubrovnik**
20:30-24:00	**ITI CONFERENCE GALA DINNER - Beach Restaurant of Croatia Hotel**

9:00–10:00	**Session 19A / Chair: Bojana Dalbelo Basic** **INVITED LECTURE** **Marie - Francine Moens** Information Extraction: The Power of Words and Pictures
10:00–11:00	**Session 20A / Chair: Jasna Kuljis** **HUMAN COMPUTER INTERACTION** *Bastanlar, Y. (Student paper)* **User Behaviour in Web-Based Interactive Virtual Tours** *Kim, I., Kuljis, J.* **Cultural Manifestations on Website Design** *Gradišar, M., Humar, I., Turk, T.* **The Legibility of Colored Web Page Texts**
11:00 -11:30	**COFFEE BREAK - ORLANDO HALL- TERRACE**
11:30–12:30	**Session 21A /Chair: Jasna Kuljis** **HUMAN COMPUTER INTERACTION** *Hedman, A.* **Image Browsing on a Large Display** *Baillie, L., Froehlich, P., Schatz, R.* **Exploring Social TV** *Schatz, R., Wagner, S., Egger, S., Jordan, N.* **Mobile TV Becomes Social – Integrating Content with Communications**

12:30-13:30	**Session 22A /Chair: Jasna Kuljis** **HUMAN COMPUTER INTERACTION** *Schedlbauer, M.* **Completion Time Predictions of Mobile Touch-Screen Interactions in Dual-Task Situations** *Grundy, C., Blake, A.* **Vis-able: Using Visual Communication Techniques to Improve Usability** *Dini, G., Foglia, P., Prete, C. A., Zanda, M.* **Effects of Increasing Users' Attention on Cost in Software Download Interfaces on the Internet**
13:45–14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
15:00–15:40	**Session 23A / Chair: Jasna Kuljis** **HUMAN COMPUTER INTERACTION** *Ancuti, C., Fumarola, M., Luyten, K., Coninx, K., Palmaers, S., Eichmann, N., Vos, F.* **General Adaptable Services Manager for Pervasive Computing Environments** *Markevicius, V., Navikas, D.* **Syringe Pumps Integration Influence to Infusion Process Efficiency**
16:00–16:40	**Session 24A / Chair: Zoran Bekic** **CLOSING & AWARDS** **ITI 2007 Conference Highlights** **Best Student Papers Awards Ceremony** **ITI 2008 Annoucement** **ITI gift awards as a thank you for completing/returning Conference Evaluation Forms**
16:40-17:30	**FAREWELL COFFEE - ORLANDO HALL– TERRACE**

Thursday, June 28 - B - ŠIPUN

10:00–10:20	**Session 20B / Chair: Reinhard Viertl** **DATA MINING, STATISTICS AND BIOMETRICS** Statistics Lecture Reinhard Viertl Fuzzy Data in Information Systems
10:20-11:00	*Cedilnik, A., Blejec, A., Košmelj, K.* **Estimation Procedure for a New Bivariate Distribution** *Hasperue, W., Lanzarini, L.* **Classification Rules Obtained from Evidence Accumulation**
11:00 -11:30	**COFFEE BREAK - ORLANDO HALL- TERRACE**
11:30-12:30	**Session 21B / Chair: Reinhard Viertl** **DATA MINING, STATISTICS AND BIOMETRICS** *Javor, A.* **Statistical Indicators on the Relationship between Croatian Tourism and Retail Trade** *Štambuk, A., Štambuk, N., Konjevoda, P.* **Analysis of Hoge Religious Motivation Scale by Means of Combined HAC and PCA Methods** *Penny, K. I., Ashraf, M. Z., Duffy, J. C.* **The Use of Hot Deck Imputation to Compare Performance of Further Education Colleges**

12:30–13:30	**Session 22B / Chair: Reinhard Viertl** **DATA MINING, STATISTICS AND BIOMETRICS** *Slaby, A.* **ROC Analysis with Matlab** *Porwik, P., Para, T.* **Some Handwritten Signature Parameters in Biometric Recognition Process** *Ziha, K.* **Information of Joint and Marginal Probability Distributions**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
15:00–16:00	**Session 23B / Chair: Ivan Futo** **COMPUTING IN BUSINESS AND FINANCE** *Dukić, G., Dukić, D., Sesar, M.* **A Model of Establishing the Zagreb Stock Exchange Index CROBEX Determinants as an Element of Decision Support System for Investments and Macroeconomic Policies** *Dukić, D., Marić, T., Babić, D.* **Analysis of Duration and Cost Estimate of Construction Projects through Computer Simulation** *Dukić, B., Ružić, D., Katić, M.* **Mobile Visitor Information System on Available Accommodation Capacity**
16:00-17:30	**Please attend the ITI Closing Session in Orlando Hall at 16:00**

10:00–11:00	**Session 20C/ Chair: Eva Milkova** **THEORY OF COMPUTING AND COMPUTING METHODOLOGIES** *Šumak, B., Heričko, M., Pušnik, M. (Student paper)* **Towards a Framework for Quality XML Schema Evaluation** *Oblak, S., Škrjanc, I.* **Continuous-Time Wiener-Model Predictive Control of a pH Process** *Botinčan, M., Runje, D.* **Lock-Free Stack and Queue: Java vs .NET**
11:00 -11:30	**COFFEE BREAK - ORLANDO HALL- TERRACE**
11:30–12:30	**Session 21C / Chair: Eva Milkova** **THEORY OF COMPUTING AND COMPUTING METHODOLOGIES** *Ribic, S., Salihbegović, A.* **High Level Language Translator with Machine Code as Representation of the Source Code** *Martinjak, I., Golub, M.* **Comparison of Heuristic Algorithms for the N -Queen Problem** *Milkova, E.* **Algorithms: The Base of Programming Skills**

12:30-12:50	**Session 22C / Chair: Eva Milkova** **THEORY OF COMPUTING AND COMPUTING METHODOLOGIES** *Kosar, T., Mernik, M., Martinez Lopez, P. E* **Experiences on DSL Tools for Visual Studio** *Corradini, F., Marcantoni, F., Polzonetti, A., Re, B.* *(resceduled to session 12D)* **A Formal Model for Quality of Service Measurement in e-Government**
13:45–14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
16:00-17:30	**Please attend the ITI Closing Session in Orlando Hall at 16:00**

10:00-11:00	**Session 20D / Chair: Bojana Dalbelo Basic** **INTELLIGENT AND MULTI-AGENT SYSTEMS** *Ivanjko, E., Dalbelo Bašić, B., Petrović, I. (Student paper)* **Correlation Based Approach to Mobile Robot Pose Tracking in Unknown Environments** *Vukmirović, M., Gawinecki, M., Kobzdej, P., Ganzha, M., Paprzycki, M. (Student paper)* **Implementing Message Exchange between Airlines' GDSs and Travel Systems with Ontologically Demarcated Data** *Vinuesa, H., Lanzarini, L.* **Neural Networks Elitist Evolution**
11:00-11:30	**COFFEE BREAK - ORLANDO HALL- TERRACE**
11:30-11:50	**Session 21D / Chair: Bojana Dalbelo Basic** **INTELLIGENT AND MULTI-AGENT SYSTEMS** *Škrjanc, I., Klančar, G.* **Cooperative Collision Avoidance between Multiple Robots Based on Bézier Curves**

12:30–13:30	**Session 22D / Chair: Mladen Varga** **DATABASES, DATA WAREHOUSING AND INFORMATION SYSTEMS** *Linic, J. (Student paper)* **Information Systems Modeling with Use Cases** *Pušnik, M., Šumak, B., Jurič, M. B., Heričko, M. (Student paper)* **Extending Information System Integrability Index with CMM Model. A Preliminary Proposal** *Lavbič, D., Rupnik, R., Bajec, M., Krisper, M.* **Agent Oriented Approach for Integration of BI Systems**
13:45-14:45	**ITI CONFERENCE LUNCH - RESTAURANT KONAVLE (Croatia Hotel)**
15:00–16:00	**Session 23D / Chair: Mladen Varga** **DATABASES, DATA WAREHOUSING AND INFORMATION SYSTEMS** *Varga, M.* **Generic Model in Modelling Analytical Data Model** *Galinović, A., Antončić, V.* **Polyinstantiation in Relational Databases with Multilevel Security** *Candrlic, S., Pavlic, M., Poscic, P.* **A Comparison and the Desireable Features of Version Control Tools**
16:00-17:30	**Please attend the ITI Closing Session in Orlando Hall at 16:00**

VENUE

CROATIA HOTEL, CAVTAT

The Conference takes place at the luxurious five star hotel "Croatia" in Cavtat, only 10 minutes (6 km) from Dubrovnik International Airport. The hotel, located on a peninsula surrounded by the crystal clear Adriatic Sea offers a picturesque view of the city of Dubrovnik.

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AIRPORT TRANSFER

For transfer from "Croatia" hotel to the airport please contact hotel reception.

LOCAL TRANSPORTATION

Bus, boat, taxi, and rent-a-car services are available. For details, please check at the hotel reception. Note: Boats for Dubrovnik depart every half hour (wear sun-screen).

OTHER USEFUL INFORMATION

CURRENCY, MONEY AND BANKS

Croatia's unit of currency is the Kuna (Kn). Banks (banka) are generally open Monday to Friday 7.30 AM-7 PM (often with a break for lunch), and Saturday 7.30-11.30 AM. Money can also be changed in post offices, travel agencies and exchange offices (mjenjačnica), which have more flexible hours. Credit cards are generally accepted in hotels and restaurants, but be sure to ask before you order. You can also use ATMs (bankomat) to get cash. Many banks have ATMs in front of their building.

BANKS

CAVTAT – Dubrovačka Banka, Trumbićev put 7

AIRPORT – Dubrovačka Banka

ATM machines – (Bankomat)

Cavtat - Dubrovačka Banka; Privredna Banka

Airport - Privredna Banka; Zagrebacka Banka

RESTAURANTS - GOOD TO KNOW

The working hours of most restaurants are from 11a.m. till midnight. A restaurant's menu is shown at the entrance, as well as the signs of the credit cards accepted (most major credit cards are generally accepted). The price includes taxes, but the service charge is almost never included and is not mandatory. It is customary; however, that the guest who is satisfied with the service leaves a tip for the waiter, 10% of the total amount is usually a fair tip.

DRINKING WATER

Drinking water in Dubrovnik is of very good quality, constantly controlled, and comes mostly from the Ombla River, 5 km from Dubrovnik.

AIR TEMPERATURE

Average annual 16,4 °C (61,5 F); average of coldest period (January) 9 °C (48,2 F); average of warmest period (August) 24,9 °C (76,8 F).

SEA TEMPERATURE

Average May - September 17,9 - 23,8 °C (64,2 - 74,8 F).

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