



**The 4th International Conference on Advanced and Systematic Research
ECNSI-2010**

(The official Conference - Symposium language is English and Croatian)

to be held

November 11th to 13rd, 2010 in Zagreb, Croatia

announces

**2th Special Focus Symposium:
Education in Natural Sciences, Geography and History for the
Knowledge Society
November 11th to 12th, 2010**

Keynote Address

Eleni Danili, High School Science Counselor, Greek Ministry of Education

Topic: Potential factors affecting pupils' performance

Symposium Chairs:

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Conference Chair:



Ph.D. Vladimir Šimović, Dr.H.C., Full Professor

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The Symposium's Material Focus

Information on the venue

Conference dates: 11th - 13th November 2010. Conference location: Hotel "International" in Zagreb - Croatia (Hrvatska), Miramarska 24, 10000 Zagreb (<http://www.hotel-international.hr/>). The weather in Zagreb at this time is usually "very good". Social program will offer on the 12th November 2010 (at 20th) one dinner, and on the 13th November 2010 (at 10^h) one day trip by bus to two beautiful Croatian Cities called "Trakošćan" and "Krapina" with "lunch" in one Restaurant (with original national foods and domestic drinks).

Aim of symposium:

Promotion of development and dissemination of theoretical knowledge, conceptual research and applied professional proficiency for education of Natural Sciences, Geography and History in early and compulsory education as well as teacher education, are the aims of this symposium. Through the presentations of scientific and professional achievements during lectures, posters and discussions sessions this symposium will hopefully accomplish the more intensive cooperation of scientists and teachers from universities, schools and related institutions in accordance to their specializations toward planning of more efficient teaching methods and systemic research.

Background:

Integrated education of Natural Sciences, Geography and History originates from science, technology and society (STS) movement in science education. The main concept behind STS is based on teaching of scientific and technological developments in their cultural, economic, social and political contexts. Implementation of STS in education curricula systematically commenced at the 1980s, after bringing around the issues of environmental pollution, animal testing and the growing impact of technological innovation on social infrastructure. New moral and ethical problems arise nowadays with the application of biotechnology and because of immanent global financial-economic crisis where previously achieved enforcements and educational goals became doubtful and therefore enforce the new requirements towards education from preschool to high school and life-long learning, respectively. In this regard, particular position belongs to teacher education and their sensitization to before mentioned problems, as well as to new advanced research systems. According to complexity of issues and their implications to more complete education, all science and educational areas, and especially educational subjects and courses in Natural Sciences, History and Geography, should find their respective roles and positions. Furthermore, we are witnessing a universal public ignorance of interactions between science and society and especially insufficient scientific education of students. Undoubtedly, the part of formal education should include acquirement of the logical problem-solving skills of scientists. These skills include sceptic attitude toward dogmatic thesis and making judgments based on evidence. Creation of scientific habits of mind from the preschool is the prerequisite of the creation of rational societies (B. Alberts, 2008.). Instead of passive transfer of scientific discoveries, aim should be to empower all students with the knowledge and practice of scientific mind. Significant changes in current educational system should comprise the means to prepare students for informed and active involvement in knowledge society. Reforms in integrated education of Natural Sciences, Geography and History should strive to facilitate better understanding of scientific developments in cultural, economic, political and social contexts.



Topics:

- *Evaluation*
- *Hands on science*
- Implementation of scientific problem-solving skills in education
- Integration or coordination of Natural Sciences, Geography and History curricula?
- Planning and implementation of ecological education
- Implementation of ICT in education of Natural Sciences, Geography and History in primary education
- Field study
- Research oriented education
- Other issues related to the coverage of symposium

Call for Papers

Papers that address any of the above listed issues are invited. An abstract of approximately 200 words should be submitted for evaluation. All proposals will be judged on the basis of their scholarly quality, originality and potential for further discourse. Abstracts may be submitted electronically (Microsoft Word) by mail not later than September 6th, 2010 to nada.vijtiuk@ufzg.hr with a copy to zeljka.siljkovic@gmail.com.

Review Process and Conference - Symposia Proceedings

All abstracts submitted on time will be peer-reviewed. Final (full) papers (electronic version, including appendices and literature) should not exceed 15 single-spaced typed pages (or approximately 30000 characters) and have to be prepared according to the *Instruction to Authors* given at the website <http://www.ecnsi.hr/en> and <http://www.ufzg.hr>. All papers submitted on time and selected (positively reviewed by two independent referees), for which the registration fee was paid, will be published in Preconference-Symposia Proceedings and distributed at the Symposium.

Important Dates

Abstract	5 th of September 2010
Notification on abstract acceptance	12 th of September 2010
Final work (ready for publication)	19 th of September 2010
Notification on article acceptance	26 th of September 2010
Symposia (at €CNSI-2010 Conference) dates:	11th - 12th November 2010
Registration fee (covers all conference: events, materials and refreshment)	
- Full participation fee - with (discount) Early Registration is EUR 246	30th September 2010
- Full participation fee - without (discount) is	EUR 307.50 after 30th September 2010
- Reduced fee (students & passive participants) is	EUR 123 (discount) Early Registration or EUR 184.50 without (discount) after 30th September 2010
- Participation for trip to Trakošćan & Krapina is EUR 61.50 to date 30th September 2010	



Special Awards: Best presented papers will be awarded. Other special awards are possible.

Further details on €CNSI-2010 are available at
<http://www.ecnsi.hr/en> and <http://www.ufzg.hr>
The Special Focus Symposium is sponsored by
ECNSI - European Center for Advanced and Systematic Research
<i. e.> Europski Centar za Napredna i Sustavna Istraživanja: Zagreb

The 4th International Conference on Advanced and Systematic Research €CNSI - 2010

Dear Colleagues:

RE: CONFERENCE REGISTRATION PAYMENT

I am pleased to inform you that the Conference Registration Fee can be paid in Euro Currency by Bank Checks, Travel Checks, or by the International Money Orders. All the checks submitted for payment must be computer-coded. No Credit Card Payments are accepted.

You can also pay your Registration Fee in Euro Currency to our UFZG-Account at the Zagrebacka banka d.d. (ZABA) in Zagreb, Croatia at the following address

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|---|--|
| (1) Amount in Euros | Euros 246.00 before 30th of September 2010,
or Euros 307.50 after 30th of September 2010
STUDENTS or PASSIVE PARTICIPANTS
FEES: Euros 123.00 before 30th of September 2010,
or Euros 184.50 after 30th of September 2010 |
| (2) Beneficiary Bank: | Zagrebačka banka d.d. (ZABA)
Paromlinska 2, 10000 Zagreb, Hrvatska (Croatia) |
| (3) The Učiteljski fakultet Sveučilišta u Zagrebu Account: | SWIFT: ZABA HR2X
IBAN: HR6323600001101394272 |
| (4) Beneficiary Customer: | ECNSI - 2010 Conference
c/o Prof. Dr. Vladimir Simovic - UFZG |

IMPORTANT: The payment must be made Free of Charge for Beneficiary, and should indicate the name of the person who is being registered for the Conference.

Thank you in advance for your kind cooperation.

Sincerely,

Prof. Dr. Vladimir Simovic,
Conference Chairman

c/o The Faculty of Teacher Education, University of Zagreb (UFZG)
& European Center for Advanced and Systematic Research (ECNSI)
Savska cesta 77, 10000 Zagreb, Croatia, Europe

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THE 4th INTERNATIONAL CONFERENCE ON ADVANCED AND SYSTEMIC RESEARCH

INSTRUCTIONS TO AUTHORS

The following standard format has been developed to facilitate the publication of conference papers. Since it is intended to print the Conference Proceedings directly from the photo-ready manuscripts submitted by the authors, we request close compliance with the specifications below:

LENGTH: Papers should not exceed 15 pages printed with single spacing (including illustrations). A surcharge of Euros 50 will be charged to authors for each additional page exceeding the above limit.

FORMAT: A4 size paper.

MARGINS: Single column text within left and right margins of 25 mm (1 in.) and top and bottom margins of 30 mm (1.25 in.).

PAGE NUMBERING: Pages should be numbered consecutively at the bottom center leaving a margin of 20 mm (0.75 in.).

HEADINGS: One level of section headings is preferred. Headings should be set in bold upper and lower case letters, two points larger than the text (not underlined).

TEXT: Text should be set in Times New Roman font with a size of 12 points.

ILLUSTRATIONS:

Each figure should be submitted as a separate graphics file. If a figure consists of separate parts, it is important that a single composite illustration file is submitted that contains all parts of the figure.

Illustration file formats

The following formats for figure files will be accepted:

- EPS (preferred format for diagrams)
- PDF (also especially suitable for diagrams)
- TIFF (for photographs and screen dumps, 300 dpi if possible)
- PNG (for photos or images)
- Microsoft Word (version 5 and above; figures must be a single page)
- PowerPoint (figures must be a single page)
- JPEG

UNITS OF MEASUREMENT: Standard International (SI) units should be used. The traditional foot-pound units may be added in parenthesis. Monetary data may be in any currency unit. However, authors are encouraged to add the equivalent amount in (Euro) € in parentheses to facilitate comparison.

REFERENCES: References in the text should be cited as follows:

- (i) (Howard, 1988); for one author
- (ii) (Peters and Niles, 1989); for two authors
- (iii) (Miller et al, 1983); for three or more authors

References should be listed at the end of the paper, arranged in alphabetical order by the first author's surname. If more than one publication by the same author in a particular year is cited they should be designated as 1986a, 1986b, and so on. The format of the reference list should be as follows:

Howard, J.B. (1988); Artificial Intelligence Principles and Practice; Longman (pp. 53)

Peters, P. B. and L. S. Niles (1989); Evaluation of Rate Algorithm; Artificial Intelligence Applications, Vol. 6, No. 2 (pp. 23-26)

Miller, A., Penrose, D.F. and R.J. Ross (1983; The DIAZ Expert System: Design and Implementation; Proc. 3rd International Symposium on Cybernetics (ed. W. Fisher), Butterworth (pp. 359-368)

FIRST PAGE: The first page should include the full title of the paper, the name of the author(s) and their affiliation, an Abstract of approximately 200 words, and no more than six keywords to facilitate indexing.



**THE 4th INTERNATIONAL CONFERENCE ON ADVANCED
AND SYSTEMIC RESEARCH**

COPYRIGHT SURRENDER/TRANSFER FORM

I/we, the undersigned being the owner(s) of the copyright of the Paper entitled,

hereby submit the same to the Faculty of Teacher Education of the University of Zagreb, Savska cesta 77, 10000 Zagreb, Croatia, Europe (UFZG) and to the European Center for Advanced and Systematic Research, Savska cesta 77, 10000 Zagreb, Croatia, Europe (ECNSI) and do agree that the above Paper be considered for publication by the UFZG and ECNSI.

If and when the above Paper is accepted for publication I/we as the author(s), hereby agree to surrender and transfer under existing copyright laws all the exclusive and comprehensive copyrights of my/our aforementioned Paper to the Faculty of Teacher Education of the University of Zagreb and to the European Center for Advanced and Systematic Research.

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THE 4th INTERNATIONAL CONFERENCE ON ADVANCED AND SYSTEMIC RESEARCH

November 11 -13, 2010, Zagreb, Croatia

REGISTRATION FORM FOR SYMPOSIUM PARTICIPANTS

I am an (please tick):

Author Session Organizer
Presenter Participant

To be completed by authors of accepted papers:

Paper Reference Number(s): _____

Total Number of Pages: _____

Title (Dr., Mr., Ms., etc.): _____

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Conference Fees:

The conference registration fee includes free access to all Conference Sessions, symposia and workshops; all Conference materials; free access to the official dinner on 13th of November 2010 and one volume of the conference proceeding to be distributed during the conference. Additional proceedings will be available for purchase any time after the conference at the list price from ECNSI. The authors, who have been notified of the acceptance of their paper(s), may submit paper(s) of up to 15 pages and the conference registration fee for inclusion in a volume of the conference proceeding. For more than 15 pages in total in one registration, the authors must include an ADDITIONAL AMOUNT of Euros €50 per page. All registration materials and fees including the camera-ready paper(s), strictly conforming to the guideline for submission, must be received in order for paper(s) to be published in the proceedings.

INSURANCE: The conference organizers cannot accept any liability for personal injuries or loss or damage to property belonging to Conference participants, either during or as a result of the conference. The participants should check the validity of their personal insurance.

In order for a paper to be published in the proceeding, all Registration materials and Fees together with two camera-ready copies (strictly conforming to submission guidelines) of the paper with signed Copyright Transfer form must arrive before September 19, 2010 at the following address:

ECNSI 2010 Conference

C/O Faculty of Teacher Education in Zagreb and
European Center for Advanced and Systematic Research
Savska cesta 77, Zagreb HR-10000, Croatia, Europe
ATTN: Prof. Vladimir Simovic

Method of Payment: Payment may be made by International Money Order or Cheque payable to ECNSI-2010.

Please tick: cheque money order
Registration is confirmed upon receipt of payment.
Payments are non-refundable. Substitutes are allowed.

Signature: _____

Calculation of Total Payment

Conference Fee:

Before September 30, 2010 (Euros €246.00) _____

After September 30, 2010 (Euros €307.50) _____

Additional Fees:

Extra page fee
more than 15 pages (Euros €50.00/page) _____

Extra Proceedings (Euros €50.00 each) _____

(discounted cost of proceeding applies only during registration)

TOTAL _____