



Faculty of Technology and Metallurgy, University of Belgrade
Tehnološko-metalurški fakultet, Univerzitet u Beogradu
Center for Pulp, Paper, Packaging and Graphics in Serbia
Centar za celulozu, papir, ambalažu i grafiku Srbije



FIRST ANNOUNCEMENT PRVO OBAVEŠTENJE

**23. MEĐUNARODNI SIMPOZIJUM IZ OBLASTI
CELULOZE, PAPIRA, AMBALAŽE I GRAFIKE**
19-22. jun 2018. Čigota, Zlatibor, Srbija

**23rd INTERNATIONAL SYMPOSIUM IN THE FIELDS OF
PULP, PAPER, PACKAGING AND GRAPHICS**
June, 19th -22nd 2018, Cigota, Zlatibor, Serbia

Naučni odbor simpozijuma - Scientific Board of Symposium

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Prof. Salim Ibrahimfendic, Ph. D., Faculty of Biotechnology, Bihac, Bosnia & Herzegovina
Prof. Milorad Krgovic, Ph. D., TMF, Belgrade, Serbia

Official languages: English and Serbian • Službeni jezici: engleski i srpski



Organizacioni odbor - Organization Board

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Predrag Zivkovic, TMF, Belgrade
Slobodan Jovanovic, TMF, Belgrade



23rd International symposium in the field of pulp, paper, packaging and graphics will be held on Zlatibor Mountain, hotel Cigota, from June 19th to June 22nd 2018.

Symposium is organized by Center for pulp, paper, packaging and graphics industry of Serbia and Faculty of technology and metallurgy in Belgrade, under the patronage of Ministry of Education, Science and Technological Development of Republic Serbia.

THE MAIN GOAL OF THIS SYMPOSIUM IS:

- To gather experts engaged in pulp, paper, packaging and graphic industry, as well as representatives of academic institutions and, with assistance of foreign lecturers (representatives of international companies), to deliver information about new technologies and new operations and processes in existing technologies, which could enable price cuts and quality improvement of products, followed by better preservation of environment.
- To give chance to our experts to present results they have achieved in their recent work, as well as to review the possibilities to create quality products demanded by world market with small investment in existing equipment and improved organization of their companies.

TOPICS OF SYMPOSIUM ARE:

- New technologies and trends in production processes in pulp and paper industry in order to increase business efficiency;
- New materials, technologies and methods in packaging and graphic industry;
- Standards and regulations in paper, cardboard and packaging industry;
- International ecological standards and certifications;
- Waste management and waste recycling plans;
- Waste paper as a strategic raw material;
- Renewable energy sources;
- Saving energy in technological processes;
- Energy efficiency and energy management in pulp, paper, packaging and graphic industry: Energy - Efficiency - Ecology - Economy;
- Examples of good practice and existing solutions in the industry;
- Education for pulp, paper, packaging and graphic industry - needs and opportunities.

SYMPOSIUM PROGRAM CONSISTS OF:

- Plenary lectures (20+5 minutes for discussion)
- Other lectures (15+5 minutes for discussion)
- Promotions of technology and products of local and foreign companies (as agreed)
- Round table - discussions on selected present themes.

Works presented on symposium will be printed in the Proceedings, in their original shape, without lecturing.

Invited lectures should include up to 10 A4 pages, other lectures up to 8 of typed text, including pictures and other attachments.

Autors will be provided with: video projector, computer, sound system and screen.

Should the authors have some special requests, they are asked to note it in advance.

Works must be delivered as camera-ready Microsoft Word files.

Please prepare your works according to following instructions:

A4 format, all margins 2,54 cm, font Times New Roman, single spacing, first line of each body text paragraph indented by 1,27 cm.

Apply the styles in following order:

MAIN TITLE (capital letter, 16 pt, bold), authors (12 pt), company / institution name followed by city and country, (12 pt),

abstract (up to 7 lines, 12 pt, italic), key words (12 pt, bold italic), numbered chapter title (for example:

1. INTRODUCTION; 12 pt, bold), body text (12 pt), references (12 pt). Please insert all illustrations and tables into document,

at appropriate places, with figure captions below pictures, and table titles above tables.

Photographs should be converted to grayscale with minimum resolution of 200 dpi for final size, and saved as tiff or jpg (without compression-maximum quality).

Drawings should be saved as "1-bit" tiff with minimum resolution of 600 dpi for final size.

All illustration should be imported into document by Inset-Picture command.

At the end of the document state name(s) and full postal and e-mail address of corresponding / presenting author.

Please send us Microsoft Word files to following e-mail: peca@tmf.bg.ac.rs

Accepted papers will be printed in Proceedings.

Time limit for application of your work is **March 30th 2018**

and if you want your work to be published in official Publication, you should send it before **May 1st 2018**

The membership for symposium is mandatory for all participants and is **150 EUR**, and it includes Proceedings, program of Symposium etc., refreshment during breaks and excursion. Additional payment for Formal dinner is **1200 RSD**.

Official languages are Serbian and English, and the simultaneous translation will be provided.

Should there be min. 20 Russian-speaking participants, simultaneous translation to Russian will also be organized.

For additional information contact:

- Marina Kršikapa, Tel/fax: +381 11 4081 002, Mobil: +38160 399 8777; e-mail: m.krsikapa@gmail.com.

**Chairman of
Organization Board
Prof. dr Milorad Krgovic**

**Chairman of
Scientific Board
Prof. dr Slobodan Jovanovic**

CILJ ORGANIZATORA SIMPOZIJUMA JE:

- Da na jednom mestu okupi stručnjake koji rade u industriji celuloze, papira, ambalaže i grafike, kao i sa odgovarajućih visokoškolskih ustanova i da im pruži informacije o novim tehnologijama i o novim operacijama i procesima u već postojećim tehnologijama, koji omogućavaju sniženje cene i poboljšanje kvaliteta proizvoda, uz zaštitu životne sredine.
- Da omogući našim stručnjacima da svojim kolegama izlože rezultate do kojih su došli u dosadašnjem radu, kao i da kritički sagledaju mogućnosti da sa malim investicijama u postojeću opremu i poboljšanom organizacijom rada u svojim firmama, ostvare kvalitetne proizvode kakve zahteva svetsko tržište.

TEME SIMPOZIJUMA SU:

- Nove tehnologije i trendovi u procesu proizvodnje u celulozno - papirnoj industriji u cilju ekonomičnijeg poslovanja;
- Novi materijali, tehnologije i metode u ambalažnoj i grafičkoj industriji;
- Standardi i propisi u vezi sa papirom, kartonom i ambalažom;
- Međunarodni ekološki standardi i sertifikati;
- Upravljanje otpadom i planovi za reciklažu otpada;
- Stari papir kao strateška sirovina;
- Obnovljivi izvori energije;
- Štednja energije u tehnološkim procesima;
- Energetska efikasnost i energetski menadžment u CPAG industriji: Energetika - Efikasnost - Ekologija - Ekonomija;
- Primeri dobre prakse i izvedenih rešenja u industriji;
- Školovanje kadra za CPAG industriju, potrebe i mogućnosti.

PROGRAM SIMPOZIJUMA OBUHVATA:

- Plenarna predavanja (20 + 5 minuta za diskusiju)
- Ostala predavanja (15 + 5 minuta za diskusiju)
- Promocije tehnologija i proizvoda stranih i domaćih firmi (prema dogovoru)
- Organizovanje Okruglog stola - diskusije o odabranim aktuelnim temama.

Radovi koji budu uvršteni u program Simpozijuma biće štampani u Zborniku, u originalnom obliku, bez lekture i korekture.

Za predavanja po pozivu je predviđeno do 10 stranica formata A4, za ostala predavanja do 8 stranica kucanog teksta, zajedno sa slikama i prilogima.

Autori će imati na raspolaganju: video projektor, računar, ozvučenje i platno. Ukoliko autori imaju posebne tehničke zahteve, mole se da ih naznače unapred.

Radove treba dostaviti u obliku Microsoft Word dokumenata, spremnih za štampanje (camera-ready), složenih prema sledećem uputstvu: format A4, sve margine po 2,54 cm, font TimesNewRoman, prored "single", prvi red svakog pasusa uvučen za 1,27 cm.

Redosled pisanja: naslov rada na srpskom i engleskom (velika slova, 16 pt, bold), imena autora (12 pt), naziv i organizacije sa imenom grada i države, (12 pt), izvod rada na srpskom i engleskom (do sedam redova, 12 pt, italic), ključne reči (12 pt, bold italic), numerisan naslov poglavlja (na primer: 1. UVOD; 12 pt, bold), tekst rada (12 pt), literatura (12 pt).

U rad treba uvrstiti sve ilustracije i tabele na odgovarajuća mesta, sa potpisom ispod svake slike i naslovom iznad svake tabele.

Fotografije pre ubacivanja u dokument treba pretvoriti u "grayscale" (crno-belu fotografiju) sa rezolucijom u konačnoj veličini od najmanje 200 dpi i snimiti kao tif ili jpg (maksimalni kvalitet – bez kompresije). Crteže snimiti kao "1-bit" tif sa rezolucijom od najmanje 600 dpi u konačnoj veličini. Sve ilustracije ubaciti u dokument primenom komande Insert-Picture.

Na kraju navesti ime i punu poštansku adresu i adresu elektronske pošte autora za korespondenciju/autora koji će prezentovati rad.

Molimo da rad u elektronskom obliku dostavite na e-mail: peca@tmf.bg.ac.rs

Prihvaćeni radovi biće objavljeni u Zborniku radova.

Rok za prijavljivanje radova je **30. mart 2018.** godine, a da bi radovi bili objavljeni u Zborniku radova, treba ih poslati najkasnije do **01. maja 2018.**

Kotizacija za učešće u radu Simpozijuma je obavezna za sve učesnike i iznosi **15.000 din**, a njome su obuhvaćeni: Zbornik radova, program simpozijuma i ostali materijali, osveženje u pauzama i izlet. Doplata za Svečanu večeru je **1200 din**.

Službeni jezici skupa su srpski i engleski, i biće obezbeđen i simultani prevod. Ako se prijavi najmanje 20 učesnika koji govore ruski, biće organizovano i simultano prevođenje i na ruski jezik.

Kontakt osoba za sve dodatne informacije:

Marina Kršikapa, tel/fax: +381-11-4081-002; mobil: +381-60-399-8-777; e-mail: m.krsikapa@gmail.com

PRELIMINARY PROGRAM - PRELIMINARNI PROGRAM

TUESDAY, June 19th
UTORAK, 19.06.2018.

19:00-21:00 REGISTRATION OF PARTICIPANTS AND DISTRIBUTION OF MATERIALS
PRIJAVA UČESNIKA I PODELA MATERIJALA

WEDNESDAY, 20th
SREDA, 20.06.2018.

08:00-09:00 REGISTRATION OF PARTICIPANTS AND DISTRIBUTION OF MATERIALS
PRIJAVA UČESNIKA I PODELA MATERIJALA

09:00 - 09:15 OFFICIAL OPENING OF SYMPOSIUM – ZVANIČNO OTVARANJE SIMPOZIJUMA

09:15 - 13:00 WORKING SESSION – RADNA SEKCIJA

13:00 - 15:00 BREAK (LUNCH) – PAUZA (RUČAK)

15:00 - 18:00 WORKING SESSION – RADNA SEKCIJA

THURSDAY, June 21st
ČETVRTAK, 21.06.2018.

08:30 - 12:00 WORKING SESSION – RADNA SEKCIJA

12:00 - 14:00 ROUND TABLE – OKRUGLI STO

14:00 - 14:15 ZVANIČNO ZATVARANJE SIMPOZIJUMA – OFFICIAL SYMPOSIUM CLOSING

14:45 - 18:00 EXCURSION – IZLET:

- ANDRICGRAD, VISEGRAD
- MOKRA GORA (SARGAN, MECAVNIK) OR
- SIROGOJNO – ETHNO VILLAGE.

20:30 – CEREMONIAL DINNER – SVEČANA VEČERA

INVITATION TO INDUSTRY:

The success of XXII International Symposium in pulp, paper, packing and graphic, greatly depends on generous help of industry and financial support of your company which years back had been participating in organization of this event, and we are mostly thankful to it.

We are hoping that you are as well satisfied with our cooperation and participation at these gatherings until now.

We are asking you to extend your help in this year and to request to be provided with the options for financial support and participation of your company in the activities of our Symposium.

We will emphasize that there are various possibilities for presentation of your company, products or technologies, such as: using exhibition area placed in front of congress hall during whole Symposium; presentation or lecture inserted into program of Symposium; as well as the status chosen from your side to correspond you mostly (Patron, Contributor or Sponsor).

POZIV INDUSTRIJI ZA PODRŠKU:

Uspeh ovog našeg i Vašeg simpozijuma u velikoj meri zavisi od velikodušne pomoći industrije i finansijske podrške Vaših firmi koje zajedno sa nama, godinama unazad, učestvuju u organizaciji ovog simpozijuma, na čemu Vam se najsrdahnije zahvaljujemo.

Nadamo se da ste i Vi zadovoljni dosadašnjom saradnjom i učešćem na ovim našim zajedničkim skupovima.

Molimo Vas da nam i ove godine pomognete, i da tražite od nas da Vam posaljemo mogućnosti finansijske podrške i učešća Vaše firme u radu ovog simpozijuma. Da naglasimo da imate više mogućnosti predstavljanja Vaše firme, proizvoda i tehnologija, i to: u toku čitavog trajanja simpozijuma korišćenjem izložbenog prostora-šandova, koji će biti smešteni u holu ispred kongresne sale, prezentacijom-predavanjem uvrštenim u program simpozijuma, kao i kroz odgovarajući status koji odaberete, a koji Vam najviše odgovara (Pokrovitelj, Pomagač ili Sponzor).

Time limits:

Time limit for application of your work is **March 30th 2018**, and for publishing in official Publication, you should send it before **may 1st 2018**

For additional information contact:

Marina Kršikapa, Tel/fax: +381 11 4081 002, Mobil: +381 60 399 8777;
e-mail: m.krsikapa@gmail.com.

Rokovi:

Rok za prijavljivanje radova je **30. mart 2018.** godine, a da bi radovi bili objavljeni u Zborniku, treba ih poslati najkasnije do **1. maja 2018.** godine.

Kontakt osoba za sve dodatne informacije:

Marina Kršikapa, tel/fax: +381-11-4081-002, mobilni: +381 60 399 8777;
e-mail: m.krsikapa@gmail.com.

ADDITIONAL INFORMATION

Place: ČIGOTA Hotel, Zlatibor (<http://www.cigota.rs>)

Location: ČIGOTA hotel on Zlatibor is situated at an altitude of 1,000 m, near Zlatibor Lake and King's Square.

Hotel's offer: Snack bar, cafe and confectionery, billiards hall, indoor pool 25mx12,5m, fitness hall, gym and outdoor sport stadiums, hydro and manual massage parlours, finnish sauna, steam bath with aroma therapy, hydro baths and solarium, beauty parlour and hairdresser, hotel boutiques and shops, congress hall, internet cafe, wireless internet, library, tv studio, club and gallery. <http://www.cigota.rs>, tel: +381 31 597 237, +381 31 597 597.

Service: Half-board (breakfast and dinner - organized as breakfast buffet)

Price of accomodation (123 din = 1 €):

- single rooms (1/1) in A BLOCK - 4.600,00 din;
- rooms with double bed (1/1F) in A and B BLOCK - 4.700,00 din.;
- two-bed rooms 1/2 in A BLOCK - 3.600,00 din.;
- three-bed apartment (1/3 AB) - 3.600,00 din.;
- * If apartment AB is used by one person, price is 50% higher, and if two persons use apartment price is 25% higher;
- All prices include the use of the swimming pool. Lunch is extra charged.
- The abovementioned prices do not cover assurance (10 din.) and local tax costs (120 din.), which should be paid at hotel reception on arrival

You can book your accommodation:

- Directly, through hotel reception: **tel: +381 31 597 237, +381 31 597 597.; e-mail: hotelcigota@gmail.com,**
- Through Organizational board, Marina Krsikapa: **tel: +381 60 399 8777, e-mail: m.krsikapa@gmail.com**

DODATNE INFORMACIJE

Mesto održavanja: Hotel ČIGOTA, Zlatibor (<http://www.cigota.rs>)

Lokacija: Hotel ČIGOTA na Zlatiboru nalazi se na nadmorskoj visini od 1.000 m, nadomak zlatiborskog jezera i Kraljevog trga.

Hotelska ponuda: aperitiv bar, kafe poslastičarnica, kafe bilijar, zatvoreni bazen 25m x 12,5m, fitnes sala, teretana i otvoreni sportski tereni za male sportove, saloni za hidro i manuelnu masažu, finske saune, parno kupatilo sa aroma terapijom, hidro kade i solarijum, frizerski i kozmetički salon, hotelski butici i prodavnice, internet cafe, wireless internet, kongresna sala, biblioteka, TV studio, klub i galerija. <http://www.cigota.rs>, +381 31 597 237, +381 31 597 597.

Cene smeštaja: Cene smeštaja na bazi polupansiona (švedski sto doručak i večera) u dinarima (123 din = 1 €) iznose:

- Smeštaj u 1/1 sobama A bloka je 4.600,00 dinara;
- Smeštaj u 1/1F sobama A i B bloka je 4.700,00 dinara;
- Smeštaj u 1/2 sobama A bloka je 3.600,00 dinara;
- Smeštaj u 1/3 AB apartmanima je 3.600,00 dinara;
- * Ukoliko dve osobe koriste apartman, cena se uvećava za 25%, a ako ga koristi jedna, za 50%;
- U cenu je uključeno i korišćenje bazena. Ručak se dodatno plaća.
- Boravišna taksa iznosi 120,00 dinara, a osiguranje je 10,00 dinara po osobi dnevno.

Rezervaciju sobe u hotelu Čigota možete izvršiti:

- direktno, preko recepcije, **tel: +381 31 597 237, +381 31 597 597; e-mail: hotelcigota@gmail.com,** ili
- preko Organizacionog odbora, Marine Krsikape: **tel: +381-60-399-8-777, e-mail: m.krsikapa@gmail.com.**

Zlatibor je turistička oaza mira, spokojstva i zdravlja. Leži na 1000 m nadmorske visine, na 230 km od Beograda, na magistralnom, drumskom i železničkom putu Beograd-Bar. Poznat i priznat više od sto godina, ovaj istovremeno rustičan i moderan turistički centar, predstavlja jednu od najatraktivnijih destinacija u Srbiji.



Zlatibor (meaning "Golden Pine") is tourists oasis of peace, tranquility and health. It is situated at 1000 m above sea level, 230 km far from Belgrade, on the main road and railway Belgrade-Bar. Zlatibor is well known as a tourist destination for more than 100 years. Combining modern and ancient motives, it is one of the most attractive destinations in Serbia.

