



2011

GODIŠNJI IZVJEŠTAJ
/ ANNUAL REPORT

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UVOD PREFACE

► Ana Habijanec, predsjednica 13. Upravnog odbora BEST–a Zagreb

Dragi čitatelji,
pred vama je Godišnji izvještaj BEST–a Zagreb za 2011. godinu. Već 13. godinu zaredom BEST Zagreb uspješno djeluje na Sveučilištu u Zagrebu, pružajući studentima tehničkih i tehnoloških fakulteta mogućnost komplementarne edukacije na stručnim seminarima diljem Europe uz sudjelovanje na raznim natjecanjima i *soft skills* treninzima. Ove godine smo od 484 prijave sa Sveučilišta u Zagrebu poslali 78 studenata na stručne seminare u Europu. Za svaki seminar priznavao se 1 do 1.5 ECTS bod.

U 2011. godini BEST Zagreb organizirao je velik broj projekata s različitim sudionicima i ciljevima. Obično kombiniramo ozbiljnije projekte s *leisure* događajima kojima potičemo motivaciju naših članova i nagrađujemo njihov za uspješan rad.

Ako krenemo kronološkim redoslijedom, već 1. siječnja dočekao nas je projekt Nove godine, na kojem smo na dva dana ugostili 120 stranih i 30ak domaćih studenata te zajedno s 2011. godinom otvorili vrata novim idejama i izazovima.

Početkom ožujka, na Fakultetu elektrotehnike i računarstva, održali smo BEST dane inženjera koje smo, unatoč krizi, uspješno organizirali četvrtu godinu zaredom. Na ovom događaju svi sudionici i posjetitelji imali su prilike razgovarati sa svojim budućim poslodavcima, unaprijediti svoje *soft skills* na nekom od naših treninga ili se okušati u rješavanju zanimljivih zadataka Vipovog Case Studyja ili DOK–ING–ovog Team Designa.

Bitno je naglasiti da je važnost ovog projekta prepoznao i predsjednik Republike Hrvatske dr. sc. Ivo Josipović, koji je primio predstavnike naše Udruge u svom Uredu te podržao aktivnosti BEST–a Zagreb.

Kao i proteklih godina, u lipnju smo ugostili 22 studenta iz Europe na stručnom seminaru, ovog puta s nazivom: “WATT can you do for the future? *BESUSTAINABLE!*”. Nakon 40 sati predavanja, 12 dana druženja, upoznavanja Zagreba i Hrvatske, sudionici su uspješno zaradili svoje diplome i svojim zalaganjem značajno doprinijeli ovom događaju.

Godinu smo završili Regionalnom konferencijom BEST–a na kojoj su sudjelovali studenti iz Ljubljane, Budimpešte, Veszprema, Rima, Temišvara, Mostara te Zagreba. 50ak sudionika kroz 3 dana radionica i treninga raspravljalo je o planovima Udruge na regionalnoj i internacionalnoj razini.

Za kraj mogu samo s veseljem nagovijestiti jedan od najvećih izazova u BEST–u Zagreb za koji smo se kandidirali u svibnju, a radi se o organizaciji najvećeg europskog inženjerskog natjecanja u Europi – EBEC–u (European BEST Engineering Competition), a koje će se održati u kolovozu 2012. godine.

Također, hvala svim članovima BEST–a Zagreb što su pridonijeli jednoj uspješnoj i izazovnoj godini, a novim generacijama želim puno sreće i uspjeha u godinama koje slijede.

► Ana Habijanec, president of 13th Board of BEST Zagreb

Dear readers,
before you is the Annual Report of BEST Zagreb for 2011. The 13th consecutive year BEST Zagreb has been successfully operating on the University of Zagreb, giving students of technical and technological faculties the possibility of complementary education on seminars throughout Europe, participating in various competitions and soft skills trainings. This year we have sent 78 students from the University of Zagreb to attend seminars in Europe, for which they got from 1 to 1.5 ECTS point.

In 2011 BEST Zagreb organized a large number of projects with different stakeholders and objectives. We usually combine serious projects with leisure events to encourage our members and reward them for their work.

If we proceed in chronological order, on the 1st of January we were welcomed with the project of organizing New Year, where we hosted 120 foreign and 30 domestic students and by which we welcomed New 2011th year as well as new challenges and ideas.

In early March at the Faculty of Electrical Engineering and Computing we held the “BEST Engineering Days”, which was a success despite the crisis, for the fourth time in a row. All participants and visitors had the opportunity to talk with their future employers, the opportunity to improve their soft skills on one of our trainings or the opportunity of taking part in interesting tasks in Vip Case Study or DOK–ING Team Design.

It should be noted that the importance of this project was recognized by Croatia's president dr. sc. Ivo Josipović, who welcomed the representatives of our association in his Office where we presented our Association and activities which he welcomed.

“WATT can you do for the future? *BESUSTAINABLE!*” was the name of our next project which was attended by 22 students from across Europe. After 40 hours of lectures, 12 days of socializing, meeting Croatia and Zagreb, the participants have successfully earned their diplomas and their efforts greatly contributed to the event.

We ended this year with the BEST Regional meeting which was attended by students from Ljubljana, Budapest, Veszprem, Rome, Timisoara, Mostar and Zagreb. Around 50 participants through three days of workshops and training discussed the future plans of BEST on regional and international levels.

In the end I can only be happy to announce one of the biggest challenges of BEST Zagreb for which we applied in May this year: EBEC (European BEST Engineering competition), which is the biggest engineering competition in Europe and will be hosted by BEST Zagreb in August 2012.

I want to thank all the members of BEST Zagreb who contributed to this successful and challenging year, and to new generations I wish all the best in the coming years.



13. UPRAVNI ODBOR BEST–A ZAGREB

13TH BOARD OF BEST ZAGREB

PREDSJEDNICA /PRESIDENT:

Ana Habijanec
Arhitektonski fakultet /Faculty of Architecture

ODGOVORAN ZA ODNOS S TVRTKAMA /FUNDRAISING RESPONSIBLE:

Dejan Lutring
Fakultet prometnih znanosti
/Faculty of Transport and Traffic Sciences

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Fakultet elektrotehnike i računarstva
/Faculty of Electrical Engineering and Computing



POSJET PREDSJEDNIKU

MEETING WITH THE PRESIDENT

► [Žarko Martinović, član BEST–a Zagreb](#)

Bio je to dan, po svemu sudeći, kao i svaki drugi. Međutim, sve se promijenilo kada je u ured BEST–a stiglo pismo oslovljeno na mene. Razmišljajući, počeo sam čitati: "Gospodinu Žarku Martinoviću... zbog državnih i ugovorenih obveza predsjednik RH u nemogućnosti je doći na projekt BEST dani inženjera". Pomislio sam kako sam dobio uobičajan odgovor kada se državnik, pogotovo predsjednik država, zove na otvorenje nekog događanja, no uslijedio je šok: "Predsjednik RH će primiti izaslanstvo BEST–a u Zagrebu, u ponedjeljak 7. ožujka 2011. u 13. 30". Nemoguće je riječima opisati radost koja je tada zavlada našim BEST–om, nemoguće je prenijeti osjećaj ushićenja i sreće što smo članovi BEST–a baš u ovom trenutku. Svatko je bio vrlo ponosan što je Ured predsjednika Republike Hrvatske uočio godine prepune rada i motiviranosti, stručnih usavršavanja, inženjerskih natjecanja i kulturnih razmjena te nas pozvao na sastanak.

Rezidencija predsjednika Republike Hrvatske oduvijek je izazivala posebno divljenje. U okolici rezidencije nalazi se prelijepi perivoj sa skulpturama poznatih hrvatskih umjetnika. Važnost rezidenciji pridaje i popularnost svih istaknutih osoba koje su dolazile u posjet – premijeri država, predsjednici parlamenta, guverneri, kraljevi i kraljice, umjetnici, sportaši...

Iako smo zbog predsjedničkih obveza održali kratak sastanak, predsjednik je bio oduševljen našom udrugom. Predstavili smo mu našu povijest, uspjehe, način na koji potičemo studente i način na koji održavamo visoku motiviranost unutar udruge. Pričali smo mu o našem, tada aktualnom, projektu – BEST danima inženjera te o nadolazećem velikom projektu – ljetnom stručnom seminaru. Kako su BEST dani inženjera upravo završili, predsjedniku smo darovali maketu pobjedničkog automobila Team Design natjecanja. U pamćenje mi se posebno urezao trenutak kada je predsjednik uzeo autić i dječaćki se igrao po svom uredu. Pričao nam je i o svojoj kćeri, studentici FER–a, te pojasnio kako ne razumije baš ništa što ona uči. Osim o udruzi pričali smo i o rezidenciji, bolonjskom procesu i studentskom životu.

Posjet predsjedniku Republike Hrvatske bio je velika čast za sve članove udruge BEST Zagreb. Svi se članovi s oduševljenjem sjetu posjeta te rado o njemu pričaju. Nadamo se kako će predsjednik i ubuduće podržavati projekte BEST–a Zagreb.

► [Žarko Martinović, member of BEST Zagreb](#)

It had seemed like an ordinary day until a letter was delivered to the BEST office. I was the recipient. I have started to read the letter: "Mister Žarko Martinović... due to scheduled duties, the president of the Republic of Croatia will not be able to attend BEST Engineering Days." This is the usual reply when you call statesmen, especially presidents, to event openings, I thought. But then I finished reading the rest of the letter and I was in shock: "The President will admit delegates of BEST Zagreb on Monday March 7th 2011..." It is impossible to describe the happiness that spread throughout our BEST group, at that moment our members were enjoying being part of BEST Zagreb. Every single one of us was proud that all our years of hard work, motivation, engineering competitions and cultural exchanges were acknowledged by the president of the Republic of Croatia, professor Ivo Josipović, ph. d.

The President's residence incites great respect and admiration. Beautiful forest surrounds it and it has a park full of statues and sculptures made by Croatia's greatest artists. Visits from prominent persons (prime ministers, presidents, governors, kings and queens, artist, sportsmen...) also give importance to the residence.

The meeting with the President was short but we managed to leave a positive impression on him. We told him our history, presented him our work and mentioned our achievements. BEST Engineering Days was also one of the topics and since they finished a couple days before the visit, we presented the President with Team Design winners' car. He had taken it and started to play with it in his office like a little child. This is definitely a picture that will remain in my memory for a lifetime. We also mentioned our Summer Course that was coming in June and the President offered his support for that project, too. Beside our work in BEST we talked about other things such as the residence, academic programs and student life.

Visit to the President of the Republic of Croatia was a great honour for all members of BEST Zagreb and everybody always joyfully remembers it and likes to talk about it. I hope that the President will keep supporting all our future projects.



RIJEČ PROFESORA PROFESSOR ABOUT BEST

► [Redoviti profesor Ljubomir Mišćević, dipl.ing.arh.](#)

Svečano primanje sudionika BEST stručnog seminara na Sveučilištu u Zagrebu našalost je bio moj prvi susret s BEST-om. Bio sam ponosan prepoznavši studente Arhitektonskog fakulteta kao sudionike seminara, a među njima i tadašnju predsjednicu BEST-a Zagreb; Anu Habijanec. Na Arhitektonskom fakultetu predajem kolegije "Održiva arhitektura" i "Visokotehnoška (*high-tech*) arhitektura".

Temu održivosti BEST-ovci su, zaista kreativno, naglasili dosjetkom u kontekstu energetske učinkovitosti naslovom seminara: "WATT can you do for the future? Be SUSTAINABLE!" Predavanje "Energy efficient and sustainable architecture" održao sam na Arhitektonskom fakultetu 3. lipnja. Seminar je sadržavao najnovije informacije i prezentacije tema među kojima su: definicije globalnog, nacionalnog i europskog zakonodavstva, primjeri projekata najbolje prakse, iskustva arhitekture visoke energetske učinkovitosti zelene gradnje, CO₂ neutralne gradnje, "gotovo nulta" arhitektura i samodostatni gradovi.

Uvijek je dragocjeno iskustvo predavati studentima različitih stručnih područja. Ovom prigodom očekivana zanimljivost reakcija i ostvarenog dijaloga potvrdila je vrijednost interdisciplinarnosti zajedničkog inženjerskog nazivnika. Sudionici su s velikim interesom slušali predavanja. Prema diskusiji koja je uslijedila može se zaključiti kako je tema energetske učinkovitosti i održivosti zainteresirala sve, unatoč različitosti područja studija pojedinih profesija. Održivost je i ovom prilikom potvrdila status "zajedničkog nazivnika" svih budućih inženjera i tehnologa. Cijeli stručni seminar ostvario je očekivanja, prezentirane teme kroz predavanja i diskusiju rezultirale su jasnom podlogom na temelju koje su studenti formirali vlastite kritičke zaključke.

Protumačio sam program i bitne odrednice europskog projekta *Master and Post Graduate education and training in multidisciplinary teams implementing EPBD and beyond* (IDES-EDU), koji se provodi u okviru trogodišnjeg europskog programa *Intelligent Energy Europe* (IEE). Na ovaj način su se i BEST-ovci aktivno uklju-

► [Regular professor Ljubomir Mišćević, dipl.ing.arh.](#)

The Official opening of a seminar organized by BEST Zagreb was my first experience with this particular student organization. I was very proud to recognize some of my old students from the Faculty of Architecture amongst the participants and organizers. I was especially glad to see Ana Habijanec, the former president of BEST Zagreb whom I personally lectured as part of that group.

BEST Zagreb demonstrated a lot of wit and creativity by naming the seminar dedicated to renewable energy and sustained development with a catchy phrase: "WATT can you do for the future? Be SUSTAINABLE". I gave a lecture titled "Energy efficient and sustainable architecture" on the 3rd of July 2011 at the Faculty of Architecture. The seminar included the latest and greatest information: definitions, various global and national laws, practical examples of best practices in energy efficiency, green architecture...

It is always a pleasure, and makes for a valuable experience, to teach students with backgrounds in various fields of studies. This distinct event induced interesting reactions and comments which serve to underline the importance of engineering as a common denominator in various disciplines. Judging by the sheer number of questions and the length of the following discussion, it was obvious that the participants found the topic of my lecture very interesting.

Sustainable development confirmed its status as the common denominator of all future engineers and technologists. The expert seminar fulfilled the expectations, as the presented topics resulted in clear foundations for the independent thought and conclusions made by the students.

I also explained the program and the main points of European project "Master and Post Graduate education and training in multidisciplinary teams implementing EPBD and beyond" (IDES-EDU) as part of the three year Intelligent "Energy Europe" (IEE) program. The discussion confirmed interest of BEST members for the topic and continuing cooperation on the IDES-EDU project.

The fact that young people are fostering aforementioned types of seminars and lectures is of utmost importance. Existence of interest for the work connecting students and professors will indubitably ensure continuation of work for BEST as a respectable organization. I am confident we will find more topics of interest for the upcoming seminars, workshops and other social events.

Thank you BEST-ies!

čili u projekt. Diskusija je potvrdila interes BEST-ovaca za temu i daljnju suradnju na projektu IDES-EDU.

Iznimno je značajno to da upravo mladi potiču organizaciju ovakvih predavanja. Postojanje interesa za rad koji povezuje studente i profesore nesumnjivo će dugogodišnjem iskustvu BEST-a osigurati daljnji kontinuitet djelovanja. BEST stručni seminar je osobno i po reakcijama studenata obostrano uspješno iskustvo. Vjerujem kako ćemo pronaći još zajedničkih tema za sljedeće seminare, radionice i druženja.

BEST-ovci, hvala vam!



► [Glorija Jurić, članica 13.Upravnog odbora BEST-a Zagreb, Odgovorna za ljudske potencijale](#)

Treninzi predstavljaju jedno od brojnih područja koja BEST Zagreb nudi svojim članovima za njihov osobni razvoj. Ova godina bila je prepuna raznovrsnih treninga, održano ih je čak 37, što je ujedno i dosadašnji rekord BEST-a Zagreb. Održani treninzi bili su uglavnom vezani uz vještine komunikacije i izražavanja, a većinom su ih držali naši dragi alumnae, a pokušali smo proširiti vidike angažiranjem suradnika iz drugih studentskih udruga (npr. Luke Lačana iz studentske organizacije EESTEC Ljubljana) s ciljem održavanja treninga i u drugim organizacijama.

Uz treninge, održavale su se i razne radionice vezane uz četiri područja rada bitna za funkcioniranje BEST-a Zagreb, a to su: *Fund Raising* (prikupljanje sredstava), *Public Relations* (odnosi s javnošću), *Human Resources* (ljudski potencijali) te *Information Technologies* (informacijske tehnologije). Radionice su održali članovi BEST-a Zagreb koji već imaju iskustvo i znanje u tim područjima.

Trainshopovi su događaji koji traju od 7 do 10 dana i na kojima se održavaju treninzi vezani isključivo uz određeno područje. *BEMORE* je trainshop za ljudske potencijale, *BEKNOWN* za odnose s javnošću, *BERICHER* za prikupljanje sredstava i odnose s tvrtkama, *BEPROUD* za buduće leadere, a *BECASSO* je najnoviji i veže se uz područje dizajna. *(in)TRAP* je dvotjedni trening za nove naraštaje trenera. *INTRAP* je rezerviran isključivo za BEST-ovce koji su aktivni na internacionalnoj razini dok je *TRAP* otvoren svim ostalim BEST-ovcima.

Naše članove nastojimo upućivati na događaje koje organiziraju druge neprofitne organizacije, a koje nude znanja koja su nama potrebna. Na primjer, Youth Trainers Academy je program treninga koji radi na obrazovanju mladih kako bi oni mogli prenositi svoja znanja u matične studentske organizacije na europskoj razini.

Dina Kačar
– *BERICHER11*, LVIV, 05/2011
Glorija Jurić
– *Leadership Summer School*, Cluj Napoca, 07/2011
– *Youth Trainers Academy*, Ljubljana, 10/2011

► [Glorija Jurić, member of 13th Board of BEST Zagreb, Human resources Responsible](#)

Trainings are one of various areas of education that BEST Zagreb offers to its members for their personal growth. This year has been full of trainings, 37 trainings were held, which is a record. Most of them were soft skills trainings, though we also had trainings and workshops for specific areas such as – PR, IT and FR.

Most of the trainings were held by our dear alumnae, though we had some non BEST trainers as well (Luka Lačan from EESTEC Ljubljana). Our goal was to spread views on different approaches non-BEST trainers have in their trainings.

We also had workshops for 4 work fields of BEST Zagreb. Fundraising, Public Relations, Human Resources and Informations Technologies. Those workshops were held by our experienced members who have excellent knowledge of those fields.

Trainshops are events which last 7–10 days were different trainings are held specifically for particular fields. *BEMORE* is a trainshop for Human Resources, *BEKNOWN* is for Public Relations, *BERICHER* is for Fundraising, *BEPROUD* is for future leaders, *BECASSO* is for graphic design. *INTRAP* is an event that lasts 2 weeks and where new, young generations of trainers are raised. *INTRAP* is specifically for BESTIES who are active on an international level and *TRAP* is for all other BESTIES.

We also tend to send out members to different organisations that provide knowledge similar to what we need. For example, Youth Trainers Academy is a training program aiming at training youth individuals having experience from their implication into Students NGO on European level.

Ines Bombek
– *European Fundraising School*, Zaragoza, 09/2011
Marina Morić
– *BEMORE4*, Ghent, 10/2011

MEĐUNARODNI BEST BEST INTERNATIONAL

► Antonija Burčul, članica BEST–a Zagreb

Uz aktivnosti koje Lokalna BEST grupa Zagreb provodi na području Hrvatske, njezini članovi imaju priliku uključiti se i u rad BEST–a na europskoj razini. Na međunarodnom nivou BEST je podijeljen u nekoliko različitih odbora i radnih skupina. Kao i na lokalnoj razini, odbori se bave usko specijaliziranim područjima osiguravajući BEST–u dugoročnu stabilnost, pritom pružajući njegovim članovima izazov rada u međunarodnom okruženju.

Marketeam (mT) ili Odbor za marketing, kao što mu i samo ime kaže, brine za marketinšku strategiju BEST–a. Njegov rad obuhvaća tri vrlo zanimljiva i uzbudljiva područja: odnose s javnošću, marketinšku strategiju i grafički dizajn.

Uz vrlo žive mailing liste i brojne Skype sastanke, članovi mT–a sastaju se diljem Europe, tijekom godine, kako bi raspravili buduće smjernice projekata unutar odbora. Uz kratke intenzivne sastanke, tu su i redoviti polugodišnji sastanci— zadnji se održao u kolovozu 2011. u Ankari. Jedan od ključnih aspekata BEST–a jest obrazovanje njegovih članova. Tome služi BEKNOWN — desetodnevni intenzivni trening za sve koji su spremni zaroniti u dubine PR–a i marketinga.

Ove godine nekoliko članova BEST–a Zagreb imalo je priliku uključiti se u rad mT–a. Nevjerojatan je osjećaj pripadati skupini ljudi koja tako strastveno i predano pristupa svim danim zadacima.

I sama sam imala priliku sudjelovati u radu mT–a prilikom organizacije ovogodišnjeg Europskog inženjerskog natjecanja u Istanbulu.

Činjenica koja me i dalje zapanjuje jest kako je bilo potrebno tek nekoliko dana da jedna objava za medije bude prevedena na više od 15 europskih jezika!

Teško je u nekoliko riječi sažeti sav entuzijazam, kreativnost, predanost, nova iskustva i prijateljstva stečena u cijeloj Europi, a koje donosi rad na međunarodnoj razini BEST–a.

Čemu skromnost? Potrebno je samo malo hrabrosti i cijeli taj svijet može postati i tvoj!

Članovi aktivni u međunarodnim timovima /Members active at BEST international:

Marketing Committee:

Erna Begović, Antonija Burčul, Igor Kolar

Educational Committee:

Erna Begović

Information Technology Committee:

Viktor Fonić, Filip Kiš, Ivan Lučev

Financial team:

Ana Habijanec

Training group:

Viktor Fonić

► Antonija Burčul, member of BEST–a Zagreb

In addition to the activities that the Local BEST Group Zagreb coordinates in Croatia, our members have the opportunity to get engaged in activities of BEST at an international level. At the international level BEST is divided into several committees and working groups. Similarly to the local level, committees handle a very specific area ensuring the longterm stability takes care of the BEST marketing strategy. Their work covers three very interesting and exciting fields: public relations, marketing strategy and design.

In addition to the very vibrant mailing lists and numerous Skype meetings, members of mT, meet each other during the year throughout Europe to discuss future guidelines of the projects inside the committee. Besides the short intensive meetings, there are also regular meetings which are held every 6 months (the last one was held in Ankara in August 2011.). One of the key aspects of BEST is the education of its members. BEKNOWN – a 10–day intensive training is there for all who wish to explore PR and marketing.

This year a few members of BEST Zagreb had the opportunity to get involved in the work of mT. It's an amazing feeling to be a part of a group of people who is so dedicated and passionate when approaching any given task.

I also had the opportunity to give, although very small, an active contribution to the work of mT during the organisation of this years European BEST Engineering Competition in Istanbul.

The fact which still astounds me is that it took only a few days for one media press release to get translated into more than 15 European languages!

It is hard to sum up in a couple of hundred words all the enthusiasm, creativity and dedication, new experiences and friendships made across the whole Europe— all of which BEST makes possible through its work on the international level. But, why sum it all up? It takes just a bit of courage and the whole world could be yours, too!

Grant team:

Dina Kačar

EBEC core team:

Željko Martinović

EBEC topic team:

Ivo Žarković

Recognition Project Coordinator:

Erna Begović



► Aleksandar Gavrilović, član 13. Upravnog odbora BEST–a Zagreb, Odgovoran za informacijske tehnologije

BEST postoji prvenstveno radi studenata. Naša ciljana skupina su energični studenti koji su spremni uzeti kovčeg u ruku i upoznati Europu, a naš cilj je omogućiti im to. Zato je promocija stručnih seminara koje BEST organizira diljem Europe jedna od najvažnijih aktivnosti naše udruge. Ovu promociju obavljam četiri puta godišnje, jednom za svaku sezonu stručnih seminara, i zato odgovornu osobu za promociju tih sezona od milja zovem Vivaldi, po skladatelju "Četiri godišnja doba".

Naša odgovorna za Vivaldi, Nina Pavličević, ove je godine imala mnogo sjajnih ideja oko promocije sezona. Primjerice, tijekom ljetne sezone BEST–ovci su, s putnom torbom u ruci i rukavom na leđima, šetali po fakultetima našeg Sveučilišta i pitali studente kojim putem do Barcelone, Napulja ili Varšave. Ova i slične metode gerilskog marketinga naših seminara bile su jako upečatljive našim studentima i Zagreb je jedan od gradova koji je poslao najviše prijave na BEST–ove seminare.

Naša krilatica prilikom promocije seminara je "Fun, Friendship, Learning", ili na hrvatskom "Zabava, prijateljstvo, učenje". Ove tri riječi zatvaraju trokut koji savršeno opisuje ono što se na seminarima zove "BEST spirit" ili duh BEST–a. Želja svakog BEST–ovca je upoznati nove prijatelje diljem Europe, omogućiti im nezaboravan provod u svojoj zemlji i na kraju dana nešto i naučiti. To je razlog zašto se studenti prijavljuju na seminare, zbog čega se naposljetku odlučuju i priključiti BEST–u, i napokon, svrha zbog koje BEST postoji i opstaje već preko 20 godina.

Vidimo se negdje u Europi!

► Aleksandar Gavrilović, member of 13th Board of BEST Zagreb, IT Responsible

BEST exists only for the students. Our target group are upbeat students ready to hit the road and meet Europe, and our goal is to help them! That is why the promotion of our courses (which take place all over Europe) is one of our most important activities. We promote these courses four times a year, once for each season, and it is for this reason that we gave our course promotion responsible a nickname after the composer of the Four Seasons – Vivaldi.

Our this year's Vivaldi Responsible, Nina Pavličević, had many great ideas on how to promote the courses. For example, during the summer season, the BESTies walked around our faculties carrying travel bags in their hands and backpacks on their shoulders asking the students which way to Barcelona, Napoli or Warsaw? This and similar methods of guerrilla marketing proved to be very effective with the students, and Zagreb is one of the cities which sent the most applications to all the BEST courses.

Our motto for the courses is "Fun, Friendship, Learning". These three words close a triangle which describes the BEST spirit perfectly. It is the wish of every member of BEST to meet new friends across Europe, to make their stay in his country an unforgettable experience, and that everyone should learn something new at the end of the day. This is the reason why students apply to the courses, why they eventually decide to join BEST, and finally, this is the reason why BEST exists and has been prospering for over 20 years.

See you in Europe!



SURADNJA S TVRTKAMA COOPERATION WITH COMPANIES

► [Dejan Lutring, član 13. Upravnog odbora BEST–a Zagreb, Odgovoran za odnose s tvrtkama](#)

Jedan od glavnih ciljeva BEST–a Zagreb je povezati tvrtke, studente i Sveučilište, što je vidljivo i u BEST–ovom logotipu. Kako bi se ovaj trokut održao i u ovo, za gospodarstvo teško razdoblje, sustavno radimo na unaprjeđenju ponude našim poslovnim partnerima, koji nam iz godine u godinu poklanjaju svoje povjerenje. Partneri BEST–a Zagreb se kroz aktivan kontakt s drugim i razne projekte promoviraju među studentima tehničkih i tehnoloških fakulteta.

BEST Zagreb najviše suradnji ostvari kroz sajam poslova te putem inženjerskih natjecanja koja se redovito održavaju na nekom od fakulteta Sveučilišta u Zagrebu. BEST Company Day tradicionalan je sajam poslova koji se održava u sklopu BEST dana inženjera te svake godine privlači sve uglednije tvrtke i sve veći broj studenata. Na BEST Company Dayu studenti mogu direktno stupiti u kontakt s tvrtkom kroz razgovor s djelatnicima na pultu ili za vrijeme prezentacije. Trud i rad BEST–a cijene mnoge institucije kao što su Sveučilište u Zagrebu te Fakultet elektrotehnike i računarstva, koje su nam velika potpora te nam pružaju svestranu podršku kroz cijelu godinu. Posredstvom BEST–a tvrtke mogu doći do vrijednih kontakata sa stručnjacima te dobiti povratnu informaciju od budućih inženjera.

Ponuda koncentrirana na BEST dane inženjera našim partnerima dostupna je tijekom cijele godine te je iz ukupne ponude moguće odabrati dio koji tvrtki najbolje odgovara. BEST Zagreb tvrtkama nudi izložbene prostore na BEST Company Dayu,

► [Dejan Lutring, Member of 13th Board of BEST Zagreb, Fundraising Responsible](#)

One of the main goals of BEST Zagreb is to connect companies, students and universities, which can be seen from the BEST logo. For this triangle to last, even in this economically hard times, we are systematically working on the enrichment of our offer to our business partners, who give us their trust year after year. The partners of BEST Zagreb promote themselves among the student population from technical and technological universities through active contact with our organisation and different projects we offer.

BEST Zagreb makes most partnerships through job fairs and engineering competitions which are regularly held on some of the faculties of the University of Zagreb. BEST Company Day is a traditional job fair taking place as part of the BEST Engineering Days and each year it gathers more and more prominent companies and students. BEST Company Day is an event where students can directly come in contact with a company by talking with clerks on company stands or during company presentations. The effort and work of BEST is appreciated by many institutions such as the University of Zagreb and the Faculty of Electrical Engineering and Computing, who have been a great support to us throughout the years. With the help of BEST, companies can come in valuable contact with experts and get constructive feedback from future engineers.

Our offer, which focuses on the BEST Engineering Days, is available to our partners throughout the year, and our partners can choose parts of the offer which best fit their needs. BEST Za-

čime omogućuje tvrtki izravan kontakt sa studentima koji budu prisutni na događanju.

Na inženjerskim natjecanjima tvrtka može biti sponzor *Case Study* ili *Team Design* natjecanja. *Case Study* je kategorija u kojoj skupina studenata rješava realan ili imaginarni problem s područja djelovanja tvrtke, a najčešće područje djelovanja su tehnologija ili menadžment. Zadatak zadaje tvrtka, a studenti u određenom vremenskom periodu moraju na što bolji način riješiti problem. *Team Design* je kategorija u kojoj skupina studenata timski rješava problem u praksi. U *Team Designu* studenti pokazuju svoje vještine i kreativnost radeći uređaj u određenom vremenskom periodu. Rezultat *Team Designa* je funkcionalan uređaj sposoban obaviti unaprijed zadane zadatke. Rješenja zadataka iz obje kategorije prezentiraju se te ih kasnije ocjenjuju članovi žirija koji se sastavlja u dogovoru s tvrtkom.

BEST tvrtkama nudi i pomoć pri regrutaciji novih inženjera putem prezentacija na nekom od ciljanih fakulteta ili pristupa BEST–ovoj bazi životopisa gdje se nalaze životopisi studenata tehničkih i tehnoloških fakulteta. Trenutačno u bazi brojimo oko 600 studenata – potencijalnih zaposlenika. Također, BEST omogućuje slanje ponuda za posao ili stipendije tvrtke na službene mailing liste BEST–a Zagreb te promociju na službenoj web stranici.

BEST organizira i posjet zainteresiranih studenata tvrtki, čime je ciljanoj skupini studenata omogućeno razgledavanje tvrtke.

Partnerne promoviramo putem naše službene web stranice te na svim promotivnim materijalima udruge.

Ukoliko tvrtka u osnovnoj ponudi ne može pronaći željenu ponudu, uvijek smo spremni prihvatiti izazov te osmisliti nove tipove suradnje. Već 12 godina ispunjavamo želje studenata i poslovnih partnera, zašto ne bismo i Vama?

greb offers each company a stand on the BEST Company Day, which enables the company to have direct contact with students on the BEST Company Day, which is held as part of the BEST Engineering Days.

In engineering competitions a company can sponsor the Case Study or Team Design competitions. Case Study is a category in which a group of students solves a real or imaginary problem from one of the company's fields of interest, and most often the field of interest is technology or management. The task is given by the company and students must solve the problem in a certain amount of time. Team Design is a category where a group of students solves a problem hands on. Moreover, students show their skills and creativity in constructing some device in a certain amount of time. The result of Team Design is a functional device which is able to execute its predetermined task. The solution of the task in both categories is presented before the members of the jury, which is assembled in accordance with the company.

BEST also offers companies help with recruiting new engineers by presentations on some of their target faculties or by using the BEST cv Database, with student cvs. Currently we have around 1600 students in the database – future employees. Also, BEST can include the company's job offers or scholarships to the official mailing lists of BEST Zagreb and promote them on the official web page.

BEST also organises a company visit for interested students where target students are able to see how a certain company works.

We promote our partners on our official web page and on all promotional materials of the organization.

If the company cannot find its desired partnership in the basic offer, we are always ready to accept challenges and consider new types of cooperation. For 12 years we have fulfilled the wishes of students and business partners, so why wouldn't we fulfill yours?





PROJEKTI U 2011.
PROJECTS IN 2011

VELJAČA /FEBRUARY

Mini kulturna razmjena
s LBG Belgradeom
Mini Cultural Exchange
with LBG Belgrade

OŽUJAK /MARCH

4. BEST dani inženjera
4th BEST Engineering Days

SVIBANJ /MAY

Motivacijski vikend
Motivational Weekend

LIPANJ /JUNE

BEST ljetni stručni seminar
BEST Summer Course

LISTOPAD /OCTOBER

Regionalna konferencija
Regional Meeting

VIZIJA BEST–A JE POTICANJE RAZNOLIKOSTI

BEST potiče bolje razumijevanje i poštivanje različitih kultura i društava.
Okolina razvijene raznolikosti podupire pojedinca u razvijanju punog potencijala
i odgovornog ponašanja.

MISIJA BEST–A JE RAZVIJANJE STUDENATA

Studenti u BEST–u razvijaju međunarodni mentalni sklop, upoznaju različite
kulture i društva te razvijaju svoje radne sposobnosti u kulturno različitim okruženjima.
Studenti u BEST–u jačaju osobni razvoj i dosežu svoj puni potencijal.



PROJEKTI U 2012.
PROJECTS IN 2012

OŽUJAK /MARCH

5. BEST dani inženjera
5th BEST Engineering Days
BEST Code Challenge

SVIBANJ /MAY

Motivacijski vikend
Motivational Weekend

KOLOVOZ /AUGUST

EBEC 2012
EBEC 2012

LISTOPAD /OCTOBER

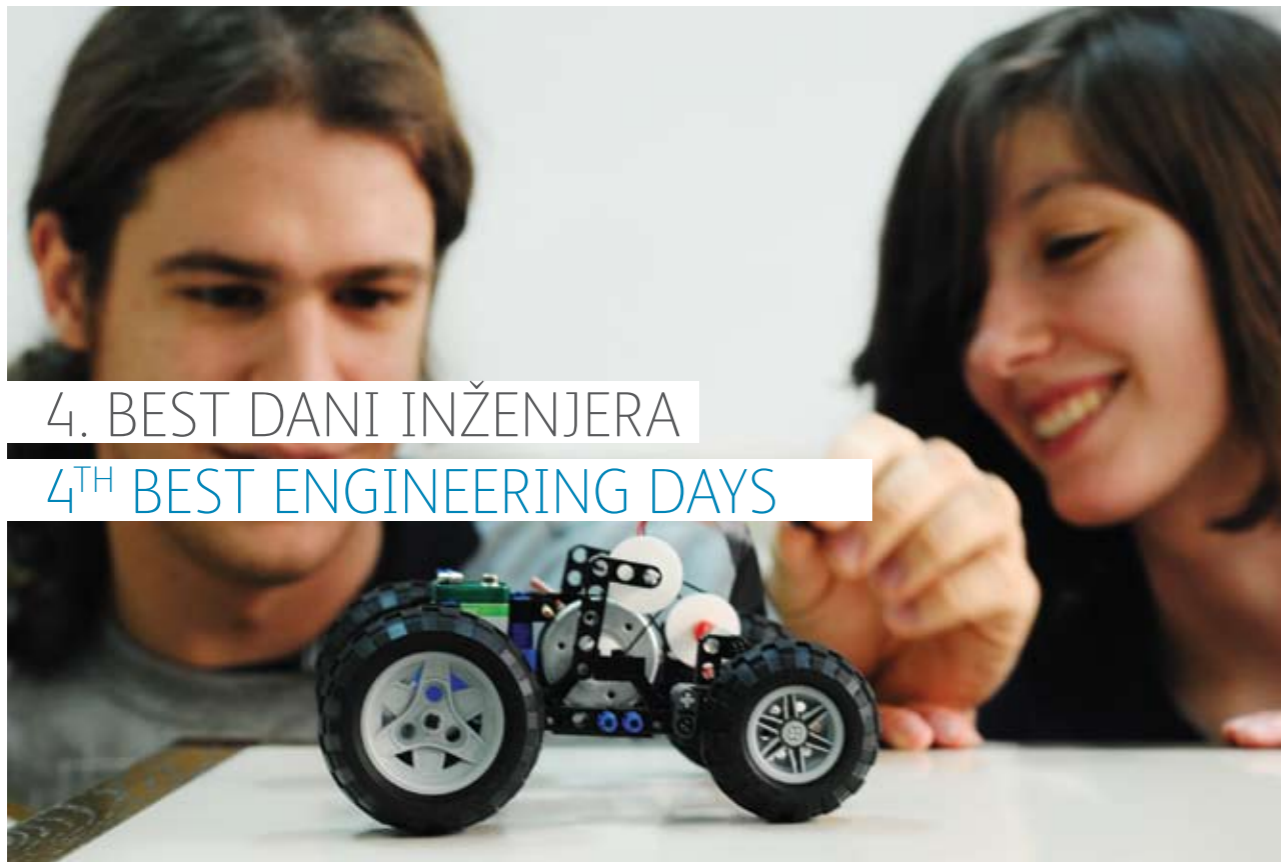
Kulturna razmjena
Cultural Exchange

THE VISION OF BEST IS EMPOWERED DIVERSITY

BEST encourages people to understand and respect different cultures and societies.
The environment of empowered diversity supports people in applying their full
potential and acting responsibly.

THE MISSION OF BEST IS DEVELOPING STUDENTS

BEST helps students to achieve an international mindset, to reach a better understanding
of cultures and societies and to develop the capacity to work in culturally diverse
environments. BEST creates opportunities for personal development of students and
supports them in reaching their full potential.



4. BEST DANI INŽENJERA 4TH BEST ENGINEERING DAYS

► Ivo Žarković, glavni organizator

Četvrti BEST dani inženjera koje organizira BEST Zagreb održani su od 1. do 4. ožujka 2011. na Fakultetu elektrotehnike i računarstva. Izglasavanje ovog projekta na godišnjoj skupštini 2010. godine, a zatim povjerenje koje mi je ukazano kao glavnom organizatoru projekta, osobno mi je predstavljalo jako emotivan trenutak. Zbog zadnjeg izdanja BEST dana inženjera na kojima sam sudjelovao kao natjecatelj, odlučio sam se priključiti radu udruge BEST i nisam mogao zamisliti da ću godinu dana poslije biti uključen u organizaciju samog projekta. Možda me upravo ta velika povezanost s projektom, to što sam ga proživio kao natjecatelj, natjerala da se kandidiram za glavnog organizatora četvrtih BEST dana inženjera.

Što su zapravo BEST dani inženjera? To je projekt koji se sastoji od 3 dijela: BEST Company Day, BEST Training Day i Lokalnog inženjerskog natjecanja. Putem BEST Company Day, BEST Zagreb pomaže studentima ostvariti kontakt s budućim poslodavcima informiranjem na štandovima partnera i slušajući iskustva zaposlenika. BEST Company Day nažalost je ove godine pokazao tužnu sliku hrvatskog gospodarstva i tešku situaciju u kojoj se ono nalazi, ali su isto tako ovogodišnji partneri pokazali kako su unatoč problemima voljni ulagati u projekte koji pomažu budućim inženjerima pri traženju zaposlenja. To su učinili pojavljivanjem na štandovima, a studenti su im se odužili tako da je tijekom cijelog BEST Company Day uvijek bila gužva, cijelo vrijeme su se raspravljali o mogućnostima zapošljavanja te slušali iskustva

► Ivo Žarković, main organiser

The 4th edition of BEST Engineering Days organised by BEST Zagreb was held from 1st to 4th March 2011 at the Faculty of Electrical Engineering and Computing. At the Local General Assembly in September 2010 our members elected this project, after which I was given the responsibility of the main organiser. This was a very emotional moment for me because I decided to join BEST after I had participated in the 3rd BEST Engineering Days and it has never occurred to me that I would be involved in the organisation of this event one year later. Experiencing this as a participant created a special connection between the project and myself and this was the reason I ran for the main organiser.

What are BEST Engineering Days? It's a project that consists of 3 parts: BEST Company Day, BEST Training Day and Local Engineering Competition. Through BEST Company Day students can get in touch with future employers by talking to company representatives on stands. Unfortunately, this year's BEST Company Day showed a sad, but realistic picture of Croatian economy. Nevertheless, companies that were present are willing to invest into projects that are helping future engineers to get their employment. They accomplished this with presentations on stands and students repaid them by making all the stands overcrowded the entire day. It's really good to know that in this ubiquitous economic crisis there are exceptions.

At the opening ceremony members of BEST Zagreb, honorary members of BEST Zagreb, company representatives, profes-

zaposlenika. Lijepo je znati kako unatoč sveprisutnoj krizi ipak postoje iznimke.

Na otvaranju četvrtih BEST dana inženjera bili su nazočni članovi i počasni članovi BEST-a Zagreb, predstavnici tvrtki, profesori i prodekan za nastavu Fakulteta elektrotehnike i računarstva, prof. dr. sc. Davor Petrinović te rektor Sveučilišta u Zagrebu prof. dr. sc. Aleksa Bjeliš.

Specifičnost ovogodišnjih BEST dana inženjera bilo je uvođenje dana u kojem su naši školovani treneri i vanjski suradnici održavali *soft skills* treninge studentima Sveučilišta u Zagrebu. Taj dio BEST dana inženjera smo nazvali BEST Training Day i povratne informacije nam govore kako nismo pogriješili uvođenjem dodatnog dana u projekt. BEST Training Day bio je na rasporedu 2. ožujka 2011., a održani su treninzi Upravljanje projektima, Pisanje životopisa i molbi te Komunikacija u timu. Poseban hit bio je trening pisanja životopisa kojeg smo ponovili u petak, zadnji dan BEST dana inženjera.

Lokalno inženjersko natjecanje prva je razina europskog inženjerskog natjecanja kojeg organizira BEST (EBEC-European BEST Engineering Competition). Odvija se u dvije kategorije: *Case Study* i *Team Design*. Pobjednici obje kategorije na lokalnoj razini ostvaruju pravo natjecanja na regionalnoj razini. Pobjednici 13 regionalnih i nacionalnih natjecanja putuju zatim na završnicu gdje odlučuju o najboljim timovima u Europi, a koja se ove godine održala u Istanbulu.

Činjenica na koju sam posebno ponosan jest pokroviteljstvo za obje kategorije natjecanja. VIPNET d.o.o. kupio je *Case Study*, a DOK-ING d.o.o. *Team Design* natjecanje. Objе tvrtke su bile zadovoljne rezultatima, a pobjednici su dobili priliku natjecati se u Budimpešti na srednjoeuropskoj razini. Naši predstavnici nažalost nisu uspjeli ostvariti plasman na završnicu u Istanbulu, ali su pokazali Europi kako Hrvatska ima sposobne i konkurentne inženjere. Upravo će BEST Zagreb sljedeće godine ugostiti veliko finale inženjerskog natjecanja. U kolovozu 2012. godine više od 100 najboljih inženjera Europe odmjeriti će snage u Hrvatskoj, a mislim kako smo četvrtim BEST danima inženjera postavili kamen temeljac za uspjeh EBEC-a 2012.

Kako je to izgledalo kroz oči glavnog organizatora? Iščekivanje početka projekta bilo je nepodnošljivo. Nervoza, strah, panika... sve to bilo je prisutno u meni dok sam čekao otvaranje. Došao je i taj dan, utorak 1. ožujka, 9 sati ujutro, Siva vijećnica na Fakultetu elektrotehnike i računarstva. Malo predsjednica, malo prodekan, malo rektor pa ja. Odmah na početku blokada. Riječi jednostavno nisu željele iz mene. Onda je krenuo pljesak, pribrao sam se i dovršio govor. Odjednom opet Siva vijećnica, samo sada je bio petak navečer, drugi ljudi su bili prisutni, zatvaranje projekta. To je moj dojam ovog projekta. Projurio je kraj mene brzinom svjetlosti.

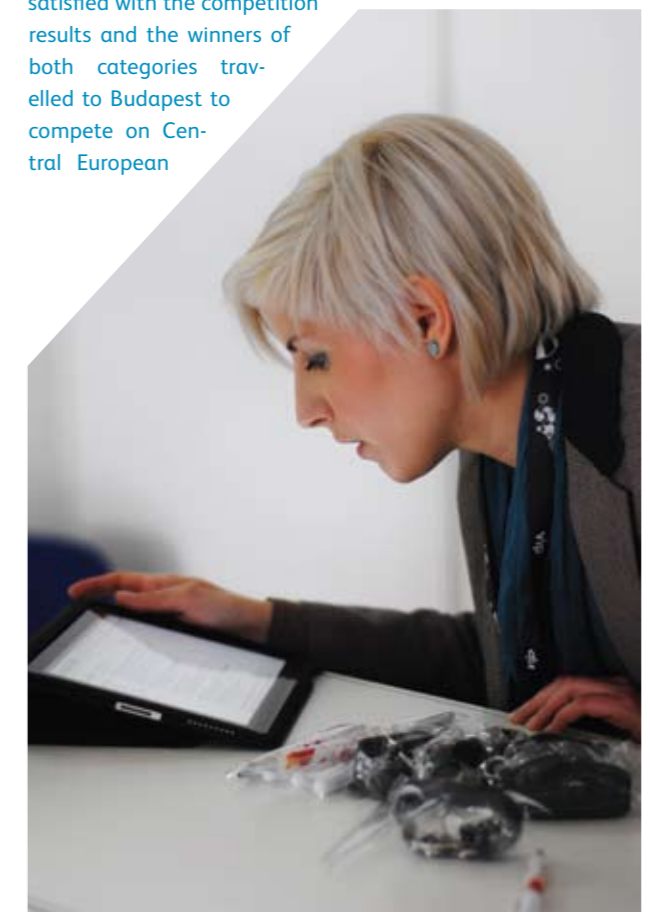
Hvala partnerima ovogodišnjih BEST dana inženjera: VIPNETU, DOK-ING-U, T-HT-U, Gradu Zagrebu i Ministarstvu gospodarstva, rada i poduzetništva bez kojih ne bi uspjeli realizirati sve ideje koje smo zamislili. Hvala Fakultetu elektrotehnike i računarstva koji nam je po tko zna koji put pomogao u ostvarivanju projekta ustupanjem prostorija i predavaoinca. Također nam je drago što nam je svoju potporu dalo i Sveučilište u Zagrebu na čelu s rektoru-

sors from Faculty of Electrical Engineering and Computing, vice dean of Faculty of Electrical Engineering and Computing professor Davor Petrinović, Ph.D., and rector of University of Zagreb professor Aleksa Bjeliš, Ph.D. were presented.

BEST Training Day was held for the first time since the establishment of BEST Engineering Days. That was a day when our educated trainers and external associates held "soft skills" workshops for students of the University of Zagreb. The feedback we received from students showed us that we definitely didn't make a mistake by making BEST Training Day part of BEST Engineering Days 4th edition. Three workshops were held: Project management, cv workshop and Communication in small teams. I'm sure this part will also be included in the upcoming BEST Engineering Days.

Local Engineering Competition is the first level of European BEST Engineering Competition (EBEC). It consists of two categories: *Case Study* and *Team Design*. Winners of local competitions have the opportunity to compete on regional and national levels whose winners gain right to participate in the final round. This year, the final round was held in Istanbul and a total of 104 students competed there to decide the best young engineers in Europe.

The fact that we managed to sell both *Case Study* and *Team Design* for the first time in history of BEST Engineering Days makes me really proud. *Case Study* partner was VIPNET d. o. o. and *Team Design* partner was DOK-ING d. o. o. Both companies were satisfied with the competition results and the winners of both categories travelled to Budapest to compete on Central European



rom prof. dr. sc. Aleksom Bjelišem. Čast i zadovoljstvo nam je što se možemo zahvaliti i predsjedniku Republike Hrvatske prof. dr. sc. Ivi Josipoviću koji je podržao BEST dane inženjera i prepoznao ih kao kvalitetan projekt.

Posebnu zahvalu upućujem članovima BEST-a Zagreb koji se uvijek iskazuju u trenucima kada je to najpotrebnije, a to je tijekom izvedbe samog projekta. Činjenica da smo postigli ovakve rezultate govori koliko je naš rad bio dobar i s koliko potencijala BEST Zagreb dočekuje veliki projekt kakav je EBEC 2012.



EBEC 2012 U ZAGREBU

EBEC 2012 IN ZAGREB

► [Željko Martinović, glavni organizator](#)

Nije li činjenica da smo se već naviknuli na rečenicu "EBEC 2012 u Zagrebu"? Doživljavamo je posve normalnom. Ipak, teško je zaboraviti da je sve krenulo s idejom koja je zvučala nemoguće, koju smo šaputali jedni drugima na uho misleći da se ne može ostvariti. Preko kandidature koja je ulijevala optimizam, ideja je prešla u želju, a želja je postala stvarnost i odgovornost službenom objavom rezultata natječaja za organizaciju EBEC-a 2012.

European BEST Engineering Competition (EBEC) je najveće natjecanje u Europi, a okuplja najbolje buduće inženjere. To je ujedno i jedino natjecanje takvog tipa koje okuplja studente iz tolikog broja različitih europskih država. U Zagrebu će se od 1. do 8. kolovoza 2012. održati četvrto izdanje EBEC-a.

Nakon Ghenta (Belgija), Cluj-Napoca (Rumunjska) te Istanbula (Turska) došao je red na Zagreb za biti domaćinom naj-

level. Unfortunately, they didn't manage to secure their tickets to the finals in Istanbul, but they showed Europe that Croatia has competent young engineers. EBEC 2012 final will be organised by BEST Zagreb and held from 1st to 8th of August 2012 and the 4th BEST Engineering Days were an excellent foundation for EBEC 2012 in Zagreb.

► [Željko Martinović, main organiser](#)

Isn't it a fact that we are used to the sentence "EBEC2012 in Zagreb"? It sounds completely normal to us. Nevertheless, we find it hard to forget how it actually came about. First, there was the idea we thought to be impossible. The idea we were whispering to each other not believing we could make it happen. This idea became a wish when we started writing our application. The wish became reality with the confirmation that the international board accepted our application and announced that EBEC 2012 will be held in Zagreb.

European BEST Engineering Competition (EBEC) is the largest competition in Europe and it gathers all the greatest future engineers. It is the only competition of this type that includes students from so many different European countries. The fourth edition of EBEC will be held in Zagreb from 1st to 8th August 2012.

Podaci o EBEC-u /EBEC facts:

8 dana
/days

104 finalista
/finalists

272 pojavljivanja EBEC-a 2011. u europskim medijima
/EBEC 2011 media appearances in the European media

70.000 posjeta web stranici EBEC-a 2011
/page views of EBEC 2011 web site

boljim mladim inženjerima Europe. Sudionici se natječu na tri razine. Prva, lokalna razina, održava se na matičnim sveučilištima. Pobjednici 84 lokalne razine nastavljaju natjecanje na 13 regionalnih natjecanja čiji pobjednici, 104 najbolja natjecatelja, ulaze u finale EBEC-a koje će se održati u Zagrebu početkom kolovoza 2012.

EBEC se sastoji od dvije natjecateljske kategorije: *Case Studyja* (teorijsko rješavanje zadanog slučaja) te *Team Designa* (izrada prototipa od zadanog materijala). Četveročlani timovi u zadanom vremenu uz ograničene materijalne resurse natječu se tko će biti bolji i brži. Na posljednjem izdanju EBEC-a, na prvoj razini natjecanja je sudjelovalo 5000 studenata, regionalna natjecanja su imala 600 sudionika, a u finalu su se natjecala 104 najbolja mlada inženjera Europe. Pobjednik u kategoriji *Case Study* bila je ekipa iz Stockholma, a pobjednik *Team Designa* bila je ekipa iz Beča.

Svojom veličinom, prepoznatljivošću i značajem ovaj projekt je odavno nadmašio studentske okvire te je postao opće-prihvaćen projekt kojeg su prepoznale mnogobrojne međunarodne tvrtke i institucije kao što su UN te UNESCO.

U narednih dvanaest mjeseci svi mi koji ćemo raditi na ovom projektu, nesebično ćemo ulagati još više svog vremena u volonterstvo kako bi EBEC 2012. u Zagrebu bio najbolje izdanje EBEC-a do sada. Veselit ćemo se ostvarenim uspjesima te zajedno svladavati sve prepreke koje nam se nađu na putu. To je izazov koji nas motivira, koji u nama budi novu želju i volju. Potiče nas da radimo na vlastitom napretku te izvlači najbolje iz nas.

Nešto mi govori: naviknut ćemo se brzo!

Ghent (Belgium), Cluj-Napoca (Romania) and Istanbul (Turkey) organised this event in the past. Now, it is Zagreb's turn to host the best young engineers in Europe. Participants are competing on three levels. The first level, the so-called local round, is held at home universities. The winners of 84 local rounds will continue their competition to thirteen regional or national rounds whose winners, 104 best participants, will enter EBEC finals that will be held in Zagreb at the beginning of August 2012.

EBEC has two competition categories: *Case Study* (theoretic solving of a given case) and *Team Design* (making of prototypes from given materials). Four-member teams, in given time limits and with limited material resources, will try to find the best among them. Last year, EBEC edition had over 5000 students in local rounds, 600 students in regional or national rounds and 104 participants in the final round in Istanbul. Overall *Case Study* winners were the team from Stockholm and overall *Team Design* winners came from the Central region, from Wien.

With its size, recognition and meaning this project has surpassed students' boundaries and it has become a widely known project supported by many international companies and institutions such as UN and UNESCO.

In the next twelve months, all of us working on this project, will unselfishly give most of our time to make the fourth edition of EBEC, EBEC 2012 in Zagreb, the best EBEC edition so far. We will be happy for every achievement we make and together we will overcome all the obstacles on our way. This is a challenge that motivates us, that awakens in us a new will and desire. It encourages us to make ourselves even better and it brings out the best of us.

I have a feeling we will get used to it very quickly!

SUSTAINABLE DEVELOPMENT IS DEVELOPMENT THAT MEETS THE NEEDS OF THE PRESENT WITHOUT COMPROMISING THE ABILITY OF FUTURE GENERATIONS TO MEET THEIR OWN NEEDS.

BEST stručni ljetni seminar /BEST summer course

WATT CAN YOU DO FOR THE FUTURE? BESUSTAINABLE!

► [Dea Milovan, glavna organizatorica](#)

Opening... Loading... Ona mala siva strelica pri vrhu ekrana polagano se vrti dok već poput kakvog rituala pregledavam e-mailove uz prvu jutarnju kavu. Pokraj Inboxa piše "(1)", dakle – nečega ima! Pošiljatelj – Hedi Bouattour. Moj novi prijatelj Hedi, inače iz Tunisa, trenutno se nalazi u Stuttgartu na studiju strojarstva. Upoznali smo se prije nekoliko mjeseci u Zagrebu, na stručnom ljetnom seminaru BEST-a Zagreb o održivom razvoju, obnovljivim izvorima energije i racionalnoj uporabi resursa. Nismo se često čuli od tada, ali ovaj e-mail je izuzetno zanimljiv. Iako se na seminaru prijavio zbog interesa za solarne sustave koji su u Njemačkoj izuzetno razvijeni (dok se u njegovoj zemlji tek očekuje veliki napredak ove tehnologije), sada mi nadahnuto piše o projektu vezanom za pametne uređaje, odnosno sustave za upravljanje koji poseban naglasak stavljaju na štednju energije i energenata, na kojem je počeo raditi nakon ljeta.

Upravo na seminaru službenog naziva "WATT can you do for the future? BESUSTAINABLE!" govorilo se o ovoj temi na predavanju prof. Zdenka Šimića sa Zavoda za visoki napon i energetiku Fakulteta elektrotehnike i računarstva. "Energetsko upravljanje pametnim uređajima" jedna je od ukupno 10 tema koje su činile akademski program dvanaestodnevog seminara na kojem se okupilo 30

► [Dea Milovan, main organiser](#)

Opening... Loading... The little grey arrow on the top of the screen is slowly circling during my ritual e-mail checking along with my first morning coffee. There is a bolded number "(1)" near my Inbox, so – bingo! Sender – Hedi Bouattour. My new friend Hedi, coming from Tunisia, currently living in Stuttgart, studying mechanical engineering. We met a few months ago in Zagreb, in an academic summer course organized by BEST Zagreb regarding sustainable development, renewable energy sources and rational use of natural resources. We haven't heard often since then, but this mail is particularly interesting. Although the reason of his application for this course were actually solar systems, really popular and developed technology in Germany and technology in running start in Tunisia, now Hedi is so inspired about the project connected with smart devices, more precisely controlling systems with special accent on energy saving.

It was the academic course "WATT can you do for the future? BESUSTAINABLE!" where this topic was presented by professor Zdenko Šimić, Department of Power Systems, Faculty of Electrical Engineering and Computing. "Smart devices energy management" was just one of 10 topics comprising the academic programme of a 12-day-course. The course gathered 30 students from different



studenata iz svih dijelova Europe, uključujući i studente Sveučilišta u Zagrebu.

BEST-ovi stručni seminari u Zagrebu se organiziraju već 12 godina u nizu i za sve sudionike su gotovo potpuno besplatni, studenti snose samo troškove puta. Sve ostalo osigurano je od strane organizatora, domaćih studenata koji rade dobrovoljno mjesecima kako bi ostvarili misiju svoje udruge – *developing students*, kako bi se približili njenoj viziji – *empowered diversity*. Pomažemo jedni drugima proširiti svoja znanja, vidike, interese. Stječemo važna iskustva u komunikaciji s profesorima predavačima na seminaru, partnerskim tvrtkama i institucijama koje nam uvijek pomažu u ostvarivanju projekata i kojima smo vrlo zahvalni. Također, zahvaljujemo Hediti i svim drugim sudionicima seminara koji su bili odlična publika dok smo tih 12 dana pokušali pokazati što možemo učiniti za budućnost i zašto moramo biti *sustainable*.

Utipkala sam broj i stisnula zelenu slušalicu. Zvoni. Netko se javlja, kažem:

– Ej mama bok, ja idem sljedeći vikend u Skopje i na Ohrid.

– Zašto u Skopje dijete drago? – odgovara iznenađeno.

– Pa kod prijateljica, Maje i Bojane. Bile su na seminaru ljetos pa su me pozvale, dolazi jedan poznati arhitekt...

Empowered diversity. Developing students.

parts of Europe, including students of the University of Zagreb.

BEST academic courses have been organised in Zagreb for 12 years now and they are almost completely free of charge for all the participants, students cover only their travel expenses. Food, accommodation and the rest of the programme is financed by organisers, croatian students, volunteers who work for months in order to realize the mission of BEST – *developing students*, to get closer to its vision – *empowered diversity*. We help each other to expand our knowledges, our sights, our interests. We acquire important experiences in communication with professors holding lessons in our courses, with companies and institutions that always help us with the project realization and we're very grateful to them. We are also grateful to Hedi and all the other course participants which were the perfect audience those 12 days, while we were trying to show what we can do for the future and why do we have to be *sustainable!*

I typed in the number and pressed the green headphone on my mobile. It's ringing. She's answering, I simply say:

– Hey mom, I'm going to visit Skopje and Ohrid next weekend.

– Skopje? Now, so suddenly? Why? – she answers surprised.

– Well, to visit my friends, Maja and Bojana. They were in our course this summer so they invited me, there is a well known architect having a lecture...

Empowered diversity. Developing students.

SUDIONICI SEMINARA /COURSE PARTICIPANTS:

Ana Pekarić, SERBIA
Aleksandar Đorđević, SERBIA
Aleksandar Mitić, DENMARK/SERBIA
Aleksandra Glavić, CROATIA
Anamari Majdandžić, CROATIA
Ankur Gupta, SWEDEN/INDIA
Bojana Koroshevska, MACEDONIA, FYRO
Borja Llanos, SPAIN
Filip Patočka, CZECH REPUBLIC
Hedi Bouattour, GERMANY/TUNISIA
Hrvoje Turibak, CROATIA
Goran Mraović, CROATIA
Jasna Guberović, CROATIA
Josefin Henriksen, SWEDEN
Josip Markežić, CROATIA

Korhan Köksalan, TURKEY
Laura Cañizares Araque, SPAIN
Lucia Strakova, SLOVAKIA
Roy Snellman, FINLAND
Maja Tosik, MACEDONIA, FYRO
Marija Kovačević, CROATIA
Mario Majdandžić, CROATIA
Miloš Šilon, SLOVAKIA
Paola Tornos, SPAIN
Petra Bolf, CROATIA
Pouya Samani, SWEDEN/IRAN
Sanja Jovančević, SERBIA
Similoluwa Adeyeye, CROATIA
Tanya Boichuk, RUSSIA
Vera Biryukova, RUSSIA
Xiaofeng Ma, NETHERLANDS/CHINA

ČOVJEK NA MJESECU MAN ON THE MOON



► [Barbara Skender, sudionica stručnog seminara](#)

Od 14. do 27. kolovoza u Almadi, gradu nedaleko Lisbona, održao se ljetni stručni seminar pod imenom "The Man on the Moon, an Odyssey in Space Engineering". Tijekom trinaest dana predavanja i praktičnog rada, 23 sudionika iz 18 različitih zemalja pokušalo je osmisliti izgled svemirske postaje na Mjesecu. Među sudionicima sam bila i ja, Barbara Skender, studentica Prirodoslovno – matematičkog fakulteta u Zagrebu. Vrlo je teško sažeti u samo jedan tekst sve dojmove, ali probati ću nekako opisati barem dio atmosfere koju sam tamo doživjela.

U akademskom dijelu seminara imali smo predavanja vezana uz vrijeme u svemiru, geologiju Mjeseca, "head up displays", problematiku svemirskih putovanja, te psihološke posljedice puta. Predavači su bili profesori s New University of Lisbon te iz različitih tvrtki koje se bave dizajnom i projektiranjem svemirske tehnologije. Po završetku predavanja bili smo podijeljeni u grupe od kojih je svaka morala ponuditi rješenje za jedan od problema vezanih uz izgradnju svemirske postaje na Mjesecu te rješenje izložiti predavačima. Nakon izlaganja slijedila bi rasprava u kojoj smo svi mogli aktivno sudjelovati.

Osim predavanja, imali smo priliku upoznati i tradicionalnu portugalsku glazbu – fado te tradicionalnu portugalsku hranu koja većinom kao glavni sastojak sadrži bakalar – omiljenu ribu u

► [Barbara Skender, summer course participant](#)

From 14th to 27th August in Almada, near the city of Lisbon, a summer seminar entitled "The Man on the Moon, An Odyssey in Space Engineering" was held. During thirteen days of lectures and practical work, 23 participants from 18 different countries tried to create layout of the space station on the Moon. I, Barbara Skender, a student at the Faculty of Science, University of Zagreb, was also among the participants. It is difficult to summarize all the impressions in a single text, but I will give my best and try to describe at least a little part of the atmosphere that I experienced there.

In the academic session, we had lectures related to the time in the universe, geology of the Moon, "head up displays", the problem of space travelling and psychological consequences road. The lecturers were professors from the New University of Lisbon, and from various companies involved in design and engineering of space technology. After the completion of lectures, we were divided into groups, and each group had to provide a solution to one of the problems associated with building a space station on the Moon and present it to lecturers. After the presentation there was a discussion in which everyone could actively participate.

Portugal. Također smo posjetili i pješčane plaže uz ocean gdje smo se okušali u surfanju. Kako je Almada od Lisabona udaljena svega desetak kilometara jedan dan posjetili smo i portugalski glavni grad. Moram priznati da su Portugalci jedan jako gostoljubiv i uslužan narod, a Lisabon grad koji je, iako se radi o metropoli, još uvijek zadržao onaj duh malog ribarskog mjesta. Osim upoznavanja portugalske kulture, jedna večer bila je Internacionalna večer. To je večer na kojoj svaki sudionik predstavlja tradicionalnu hranu i običaje svoje zemlje. Na taj način smo još bolje upoznali jedni druge.

Kakvi su moji dojmovi o ljudima sa kojima sam sudjelovala na seminaru? Mislim da nemam dovoljno riječi kojima bi ih mogla opisati. Iako smo svi bili iz različitih dijelova Europe, nije bilo nikakve netrpeljivosti ni svađa. Svi koji su sudjelovali na ovom seminaru, uključujući i organizatore, vrlo su pozitivne i otvorene osobe uvijek spremne za zabavu, ali i ozbiljan rad kada je to potrebno. Iako je razina poznavanja engleskog jezika varirala od osobe do osobe, to nam nije bio nikakav problem – za dodatno snalaženje imali smo ruke i noge. Ni jezične barijere nisu nas mogle spriječiti u stvaranju dobre atmosfere. Za vrijeme odmora i obroka uvijek se čuo žamor i smijeh. Moram priznati kako sam po povratku prvih nekoliko dana bila zbunjena i jednostavno se nisam mogla naviknuti na činjenicu da više nisam okružena ljudima s kojima sam dva tjedna bila nerazdvojna.

Sve u svemu, zaljubila sam se u Portugal kao zemlju i nadam se da će me put opet jednog dana odvesti tamo. Ovo je bilo moje prvo (nadam se ne i posljednje) sudjelovanje na ovakvom tipu seminara i moram priznati da sam vrlo zadovoljna. Tih trinaest dana ostati će mi u jako lijepom sjećanju, a prijateljstva koja sam tamo sklopila zasigurno će potrajati cijeli život.

Besides lectures, participants had a chance to get in touch with traditional Portuguese music – fado and traditional Portuguese food, with cod (favorite Portuguese fish) as the main ingredient. We also visited sand beaches along the ocean where we tried surfing. Since Almada is only ten kilometers away from Lisbon, we also visited the Portuguese capital. I must admit that Portuguese people are very hospitable and accommodating people, and Lisbon as a city, even though the metropolis, still retained the spirit of a small fishing village. We had an "International night" where we had a chance to get in touch with other cultures besides Portuguese. Every participant presented traditional food and customs of their country which helped us to know each other even better.

And what are my impressions of the people with whom I participated in the seminar? I think there are no words to describe it. Although we were all from different parts of Europe, there was no animosity nor arguments. Both participants and organizers were really positive and open persons, always ready for entertainment, but also for serious work when needed. Although the level of English varied from person to person, it wasn't that much of a problem to get around with people – we used hands and legs as extra help. Not even the language barrier could prevent us in creating good atmosphere. Murmur and laughter were always heard during breaks and meals. When I returned to Croatia, the first few days I was confused and could not get used to the fact that I'm no longer surrounded with people with whom I was inseparable for two weeks.

Altogether, I fell in love with Portugal as a country and I hope that road will take me there one day. This was my first (and hopefully not the last) participation in this kind of seminar, and I must admit that I am very satisfied. I will fondly remember these thirteen days and I know that friendships I made there will last for a lifetime.

Broj sudionika BEST stručnih seminara sa Sveučilišta u Zagrebu u 2011. godini /BEST courses participants from University of Zagreb in 2011:

6 Zimski BEST stručni seminari
/ Winter BEST courses

18 Proljetni BEST stručni seminari
/ Spring BEST courses

44 Ljetni BEST stručni seminari
/ Summer BEST courses

10 Jesenski BEST stručni seminari
/ Autumn BEST courses



REGIONALNA KONFERENCIJA REGIONAL MEETING

► [Matko Kirac, glavni organizator](#)

U jesen 2011. godine BEST Zagreb prvi puta je organizirao Regionalnu konferenciju. S obzirom da je ovo bila naša prva Regionalna konferencija, bili smo oduševljeni novim izazovom. Održavala se od 27. do 30. 10. 2011. u Daruvaru.

BEST je podijeljen u 11 regija u kojima ima od 7 do 11 lokalnih BEST grupa iz nekoliko država. Članovi svake od regija dva puta godišnje održavaju Regionalnu konferenciju na kojoj raspravljaju o budućim projektima, međusobno se podučavaju te odlučuju o stvarima bitnim za cijelu regiju. Zagreb spada u *South* regiju BEST-a, zajedno sa Slovenijom, Mađarskom, Italijom, Srbijom, Bosnom i Hercegovinom i Rumunjskom. Na regionalnoj konferenciji sudjeluje petero predstavnika iz svake lokalne BEST grupe, no nerijetko dođu i predstavnici drugih regija.

Razrada organizacije konferencije, okupljanje članova, kontaktiranje tvrtki i medija, traženje smještaja... samo su neki od poslova koje smo uspješno obavili prije samog početka projekta. Predprojektna organizacija prošla je brzo i prije nego što smo se snašli već je bio dan početka projekta. Drago mi je što smo na vrijeme krenuli sa svime, a i sami sebe smo pozitivno iznenadili u nekim segmentima.

Regionalnu konferenciju održali smo u Planinarskom domu Petrov Vrh u Daruvaru. Atmosfera na projektu bila je pozitivna te se sam projekt odvijao odlično. Potrudili smo se Regionalnom konferencijom našim gostima pružiti jedno odlično i nezaboravno iskustvo. Znamo da smo u toj namjeri uspjeli jer je takva

► [Matko Kirac, main organiser](#)

BEST Zagreb has never organized a Regional Meeting, despite applying for it. This year we finally got the green light for organizing this event. We are all really excited by the fact that soon we will all be working on this, for us unknown, project.

BEST is divided into 11 regions which have from 7 to 11 BEST groups from several states. Members from each region organize a RM twice a year. On the Meeting they discuss future projects, transfer knowledge and make important decisions for the entire region. Zagreb is in the South Region, together with Slovenia, Hungary, Serbia, Bosnia, Romania and Italy. Five people from each Local BEST Group come to the Meeting, although out-of-region guests are common as well.

Organising, getting members together, searching for sponsors, media and accommodation were just some of the tasks we successfully completed before the event started. Pre-project organisation went great and fast, and before we knew it, the event began.

I'm glad we all started working early. We even surprised ourselves in some parts (positively, of course).

The Regional Meeting was held in the mountain home Petrov Vrh in Daruvar. We tried to make it an unforgettable experience for our guests. We know we succeeded because we were awarded with a big applause at the end, one little Santa Claus for our office, and we saw it on the faces of our guests. After all the hard work we went sightseeing in Daruvar and took a 2 hour

atmosfera bila u zraku, a na zatvaranju projekta dobili smo veliki pljesak i jednog malog Djeda Mraza kao poklon za naš ured. Nakon napornog rada razgledali smo grad Daruvar i okupali se u toplicama, što je bila prava nagrada za naš uloženi trud i vrijeme! Članovi BEST-a Zagreb na projektu su radili i učili, ali se, između ostalog, dobro zabavili.

Nakon projekta puno sam puta, od članova koji nisu bili u Daruvaru, čuo: "Ej, kako je bilo na RM-u? Čuo/la sam da je bilo super!" Meni je, kao glavnom organizatoru, ali i svim članovima koji su radili na organizaciji projekta, neprocjenjivo čuti ovakve upite. Organizacijom prve Regionalne konferencije u BEST-u Zagreb još smo jednom dokazali to da BEST Zagreb ima vojsku mladih ljudi sposobnih za velike stvari i potencijal za postati najjačom lokalnom BEST grupom u Europi, ako to već nije =).

Moja prvi projekt, nikada ga neću zaboraviti... nikada!

swim in the Daruvar Spa. Members of BEST Zagreb worked on the project, but they also learned and had a great time. After the project I heard a lot of questions from members who were not attending the event. Questions like "Hey, how did the RM go? I heard it was awesome!" That kind of positive feedback means a lot to me, as main organizers, but should also mean a lot to all members of BEST Zagreb. By organizing this event, BEST Zagreb once again proved that the group has a lot of new and young people that are capable of great things and the potential, and have the potential of becoming one of the strongest BEST Groups in Europe, if we are not already =).

This was my first project, and I shall never forget it... never!

Lokalne BEST grupe na Regionalnoj konferenciji /Local BEST group present at Regional meeting:

BEST Budapest, Hungary
BEST Ljubljana, Slovenia
BEST observer group Mostar, BiH
BEST Novi Sad, Serbia
BEST Rome, Italy
BEST Veszprem, Hungary
BEST Timisoara, Romania
BEST Zagreb, Croatia

PROSLAVA NOVE GODINE 2011. NEW YEAR'S CELEBRATION 2011

► [Andrea Kumar, glavna organizatorica](#)

Nakon godine pune projekata na red je došlo druženje s prijateljima iz cijele Europe koji će s nama, BEST-ovcima LBG-a Zagreb, na najbolji način ući u 2011. godinu.

Kako je to izgledalo kada je preko sto BEST-ovaca iz više od deset zemalja došlo na jedno mjesto? Jednostavno preludo i pre-zabavno! Studenti iz svih dijelova Europe doputovali su u snijegom okružen planinarski dom Omanovac pokraj Pakraca, kako bi svi zajedno proveli tri nezaboravna dana.

Prvu večer održala se nezaobilazna internacionalna večer na kojoj je bila predstavljena svaka država s tradicionalnom hranom i pićem. Nakon prvog tuluma osvanulo je i zadnje jutro u 2010. godini. Cijeli dan smo proveli u druženju i snježnim radostima. Dan je proletio i započela je novogodišnja zabava. Preko 120 ljudi je zajedno ušlo u 2011. godinu, što je bio fascinantna doživljaj. Tri dana su prebrzo prošla jer kako se kaže: vrijeme leti kad se dobro zabavljaš, a mi smo zaista uživali u svakom trenutku!

Bila mi je velika čast biti glavni organizator ovog projekta, a dobiveno iskustvo ću pamtiti zauvijek. Osim što sam se zabavila, svaki dan sam naučila nešto više o sebi i ljudima s kojima sam surađivala, a koji su mi neizmerno pomogli kad god bih naišla na neku prepreku. Najljepše od svega je bilo vidjeti kako iz jedne ideje raste projekt koji je 30. 12. i oživio. Želim novim generacijama BEST-a da osjete barem dijelić zadovoljstva koji smo mi osjetili ugostivši strane studente, da nastave s tradicijom organiziranja dočeka Nove godine te uče raditi i zabavljati se s ljudima iz cijele Europe.

► [Andrea Kumar, main organiser](#)

After a year full of projects there was suddenly time for a leisure event with our friends from the whole Europe. They were all coming for the BEST New Year celebration that was organized by LBG Zagreb.

You are wondering how it was with more than hundred besties from over ten countries in one place?! Simply crazy and freaking amazing! Students arrived from different European countries (Portugal, Denmark, Ukraine...) to the mountain house Omanovac, near the city of Pakrac, that was covered with snow. We all had one goal: to have three awesome days.

On the first day there was an international evening so each country had the opportunity to present itself with traditional food and drinks. After the first evening, came the last day of year 2010. We spent the day together and enjoyed in the snow. Day went by very fast and it was time for the New Year's Eve party. More than 120 people welcomed the New Year 2011 together which was an amazing experience. Three days went by too fast because time flies when you're having fun and we were enjoying each and every moment!

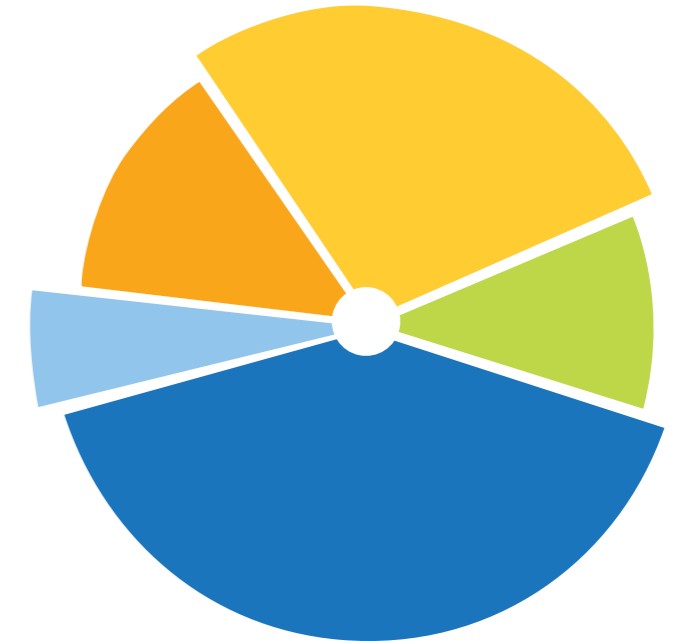
I had the honor to be the main organizer of this event and it was an experience that I'll remember forever. Besides having fun I learned things about myself and people that I was working with. My friends, Zagreb BESTies, helped me whenever I had problem. The most amazing thing was to see how one idea grew into a real project and became alive! I wish that new BEST generations get to feel even a small part of satisfaction that we felt hosting foreign students, to continue with the tradition of New Year's project and to learn and have fun with people from the whole Europe.

FINANCIJSKO IZVJEŠĆE FINANCIAL REPORT

PRIHODI/ RECEIPTS

—134. 358, 29 KN

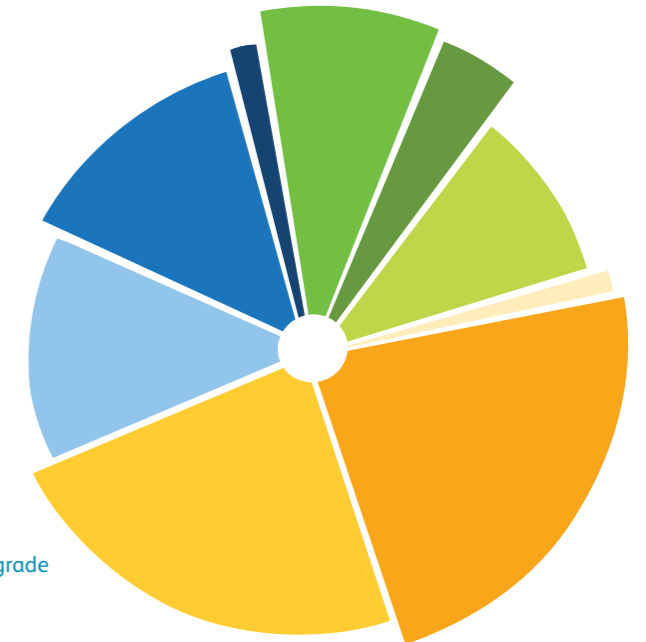
Proslava Nove godine / New Years celebration	36.605,85 KN
BEST ljetni seminar / BEST Summer Course	18.165,00 KN
BEST dani inženjera / BEST Engineering Days	54.500,00 KN
Regionalna konferencija / Regional meeting	13.311,90 KN
Ostalo/ Miscelanus	7.379,89 KN



RASHODI/ EXPENSES

— 150. 463, 70 KN

Proslava Nove godine / New Years celebration	35.899,03 KN
BEST ljetni seminar / BEST Summer Course	35.305,95 KN
BEST dani inženjera / BEST Engineering Days	21.304,00 KN
Ostalo/ Miscelanus	21.156,61 KN
Regionalna konferencija / Regional meeting	16.364,61 KN
Redovna godišnja sjednica Skupštine i Svečana sjednica / Local General Assembly and Formal Assembly	12.470,33 KN
Motivacijski vikend i Mini kulturna razmjena sa LBG Belgradeom / Motivational weekend and Mini Cultural Exchange with LBG Belgrade	5.970,68 KN
Refundacije putnih troškova / Travel expenses refund	2.611,34 KN
Promocija BEST-ovih stručnih seminara / BEST courses promotion	1.881,00 KN



PARTNERI U 2011. GODINI
PARTNERS IN 2011



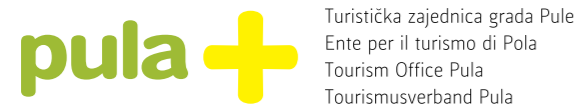
MINISTARSTVO GOSPODARSTVA,
RADA I PODUZETNIŠTVA



DOK-ING
DON'T SEND A MAN TO DO A MACHINE'S JOB



ZAHVALJUJEMO
NA SURADNJI!
THANK YOU FOR
YOUR COOPERATION!





**Board of
European
Students of
Technology**