



GRADUATION CEREMONY 2005

In a festive and touching ceremony, the WASTE students of the 3rd generation were bidden farewell on 24 November 2005. Welcoming addresses were held by Professor Engelbert Westkämper, Dean of the Faculty of Mechanical Engineering, Program Coordinator Professor Günter Baumbach, and 3rd generation student representative Keng Been Ang.

One special highlight of the event was the presentation "Resource Productivity rises to the same Importance as Labour Productivity", held by Professor Ernst Ulrich von Weizsäcker, member of the German parliament 1998 – 2005, and appointed as Dean of Bren School of Environmental Science and Management, University of California. Prof. v. Weizsäcker explained that contrary to the previous trend of falling commodity prices because of rising labour productivity, since 2000 a dramatic increase in prices for all kinds of goods (e.g. metals, food) was observed - due to the growth in demand from developing countries as well as to environmental pollution. Prof. v. Weizsäcker stated that the rich nations were currently the biggest polluters but there was danger



that the poorer countries were about to "beat" the richer ones in that aspect soon. Showing a close correlation of variations in CO₂, global average temperature through the ages and rising sea levels. Prof. v. Weizsäcker demonstrated that the actually projected world energy demand exceeded a reduced demand (necessary to stabilize the climate) by three times!

>>>continues



INTRO AND WELCOME

Welcome to the first WASTE newsletter. From this semester on the WASTE Club Stuttgart e. V. and the study program WASTE will publish a newsletter once a semester. The newsletter will inform students, alumni, professors, employees and all interested person, as well organisations and companies, about the international Master of Science program WASTE, its activities and people.

The first issue of the newsletter highlights: „Experiences of new WASTE students“, „Recent events“, „Studying WASTE and Life after



WASTE“, „Funny stories“ and „Where to go in Europe?“.

You'll also find a spotlight on WASTE Club Stuttgart e.V. We welcome your suggestions to make this newsletter the best information tool possible. Please contact us with your comments and ideas.

I want to thank all authors and involved person for their articles, ideas and support. Have fun reading, and many thanks for your interest!

Dr. Michael Waldbauer, Chairman of WASTE Club Stuttgart e.V.

>>> GRADUATION CEREMONY 2005

He concluded that resource productivity – energy and material intensity for producing goods – needed to be improved by at least a factor of four, citing his famous publication “Factor 4”, and presented numerous examples of how this could be achieved. Prof. v. Weizsäcker expressed the hope that the young graduates would apply their acquired WASTE program knowledge to meet the respective challenges in their home countries, and wished them success.

Prof. Westkämper then congratulated each graduate personally, handing over the WASTE Diploma. Other highlights of

the evening, performed by WASTE students, were a traditional Mexican dance, self made music and a congratulating flash presentation.

The concluding reception was a welcome occasion for the graduates to reminisce about studying times, talk about their plans for the future and get into contact with quite a few lecturers and other persons involved in the WASTE program. A splendid buffet of international specialities, deliberately prepared by the students of generation 2005, secured the physical well-being of the participants.

• Christine dos Santos Costa



for more information, photos etc.:
www.waste.uni-stuttgart.de

Reports and Stories of Students

EXPERIENCE OF NEW WASTE STUDENTS - THE HARD WAY TO ADMISSION - THE JOURNEY TO STUTTGART

Studying abroad was something I've always dreamed of. I decided to work on making the dream come true. After searching for Programs (in Google, DAAD website, etc.), I found WASTE as very good Master Program. I can say that everything then “died a natural death”: it was quite easy to choose such an interesting program, in such a nice city, with a friendly website and requirements. I could even talk about a decision taken “at the first sight”...

Deadline was coming and I still haven't been able to send half of the required documents. My diploma was missing, since I still had to wait three months for my BSc exams to take place and along with that, the letter of recommendation was also missing, since my supervisor was still somewhere in Florida... From the always absent

ledge was zero so I was just holding the paper trying to read SOMETHING!! I even tried to read it on the phone to my sister since she knows some German, but it was still IMPOSSIBLE!! I called some friends looking for help and finally I managed to be in touch with a German guy. He was lecturing some class and I went to meet him during his break period. Unfortunately it was not a positive answer...

Another step to go through was how to get a visa. Some requirements were quite a good test of my condition. How was I supposed to have a bank account in Germany under my name, proving that I had enough money not to die starving in the middle of the winter? Well, I trusted the letter of my local bank which was properly written by an official translator and which

I carefully put enclosed with the rest of the papers. After two months of silence, so long that I had forgotten all about this stuff, I was awarded my so dreamed stamp. Finally I could say: Germany here I go!

I was flying to Germany with my mother. As soon as we got to the airport, we found out that our flight had delayed four hours and instead of a direct

flight we would make several stops. After 16 sleepless hours in the plane crowded with crying babies, we arrived to Spain, where we had lost our connections. As if that wasn't enough, because of a mix up by the travel agent, my mother had no way to fly here. She bought a new ticket for a different flight. Arriving earlier, she had to wait

for me at the airport so we both could go and look for my buddy from Welcoming Service of University Stuttgart, who had also waited for quite a long time... My first week in Stuttgart was great, busy and funny. I arrived on a holiday so everything was closed. I didn't have anything to eat, but thank God, my Buddy invited me for lunch. She's from India, so the food was very spicy; maybe not for her, but a lot for me. First cultural shock had just occurred! I had heard that German people were cold, closed, shy, etc, but on my second day of classes the two German girls in our group invited us to the movies. They made the first step in trying to make friends. First myth was broken!

The preparatory courses and exams were very good. Some of us haven't been in a classroom for a very long time. For others it was about studying something that they never knew. The lectures prepared us well to take the preparatory exams. The structure of the exams was quite new for most of us. I wasn't used to writing exams in less than an hour and the grading system was also very different. But all the same, we all did well and managed to proceed to the main program...

The Intensive German Language Course began just after a week off from the hectic 8 weeks of loads of studying. The (6hrs x 5days x 6 weeks) itself defines the word INTENSIVE. But all in all, the motto of learning German was fulfilled as most of us can now speak some German. Another interesting part was the orientation and intercultural training, where I got to know things about other countries and cultures. So to summarize it all, learning German, in Germany, from a German teacher in the German way is a thing to be cherished throughout the life!!!

• Escoto, Gosia, Medon, Perez, Prado, Gonzalez, Sasu, Agrawal



Dean to the translator, from the translator – home, trying to find notes from the primary school... I spent the following week outside the door of my supervisor waiting for a few hours every day just for a minute of his time...

The first time I applied to DAAD scholarship I received the so expected letter... written in GERMAN!! My German know-

ledge was zero so I was just holding the paper trying to read SOMETHING!! I even tried to read it on the phone to my sister since she knows some German, but it was still IMPOSSIBLE!! I called some friends looking for help and finally I managed to be in touch with a German guy. He was lecturing some class and I went to meet him during his break period. Unfortunately it was not a positive answer...

News and announcements

NEW WASTE LECTURER DR.-ING. ULRICH EIDEN

On Tuesday mornings, sometimes you might see a new face in IVD, looks a little bit muscular and always smiling. This friendly stranger is Dr. Eiden, our new lecturer of Thermal Process Engineering.

Dr. Eiden, An experienced German chemical engineer, an amateur piano player, a sport lover, a smart lecturer, always brings a lot of laughing, joy and practical knowledge to the lecture. He was born in Hermeskeil, which is in southwest Germany, close to the border with Luxembourg and France, famous with its transportation museum and lovely scenes. Now he lives in Ludwigshafen with his wife and 14-year-old son.

Our dear teacher studied Chemical Engineering (1981 – 1985) and did his Diplomarbeit "Condensation in Diluted Gas Flows" at TH Karlsruhe; four years later, he completed his Ph.D. on the topic of

"Single- and Multicomponent Adsorption Equilibria". Afterwards, he works for BASF until so far.



In BASF, he has worked for several R&D departments: Adsorption and Ion Exchange, Distillation and column fluid dynamics and even was the head of a group dealing with - Solids Handling, Drying and Product Formulation and Systems Process Engineering. In those years he has also experienced some Technical Services:

Plant Engineer for Maintenance and Projects. Right now, he is responsible for Capital Projects and Plant Changes of the Operating Divisions "Functional Polymers" and "Performance Chemicals".

Besides BASF, he is member of the GVC-Fachausschuss "Fluid-Verfahrenstechnik", has some scientific publications about Adsorption, Distillation and Process Engineering. Furthermore, he gives lectures and talks at national and international meetings.

It's so nice to have such an experienced and humorous lecturer for this tough class. At the end of this summer, he will bring us to visit BASF.

• Isaiah

DATES TO NOTE

- 13 July: WASTE Summer Party
- 21 July: 1st semester excursion to cement factory Holcim
- 30 July - 2 August: IVD Excursion
- 1 Aug.: WASTE Club excursion to construction site of "Neue Messe Stuttgart"
- 23 Nov.: Graduation Ceremony 2006
- Waste Intercultural Meetings "WIM" at 5.30 p.m. on 7 Nov., 5 Dec., 9 Jan. 2007, 6 Feb. 2007 (IVD, room V 23.01)

WELCOME GENERATION 2006

Never before have so many WASTE students taken up their studies after passing the challenging entrance examinations. Featuring 43 students, the 2006 generation is about twice as strong as usual. There is a remarkably well-balanced participation of nations, numbering 23, and it is also positive that men and women are represented almost equally in the class (53% / 47%, respectively).

The new generation 2006 has already made possible some inspiring innovations: As you can see by this first edition, the WASTE Newsletter, and also the WASTE Intercultural Meetings (please see "Dates to Note"). Prospects for a well-organized and fun WASTE Summer Party (and later on Graduation Ceremony) are also bright with such a dynamic group!

• Christine dos Santos Costa

CLASS SPEAKERS OF GENERATION 2006

On May, 16th, during the first class meeting with the fifth generation students, the election of the new class representatives took place. Three friendly and approachable students were elected. Here you can get to know them a little bit better:



• Marta Escoto de Tejada, class speaker: "I was born in 1981 in El Salvador, a country where the environmental problems can be seen straight away. I studied Chemical Engineering until 2003, hoping that

in the future I could do something to improve the situation. After that, I had the opportunity to work and get in touch with our industry and its problems. I'm sure here in Germany, studying this Master Program I can learn and get tools to do my bit. If I can help you in any way, I will be happy to do it!"



• Gosia Stein-Brzozowska, class representative: "I would like to thank my classmates for the rely they've put on me. I'll try to do my best. For those who don't know

me, I'm a merry Polish girl always willing to help, already quarter of a century old!; graduated in Sept., 2005 Environmental Protection and Management BSc Course at the Gdansk University of Technology, Poland. Choosing WASTE I've been hoping the knowledge and experience I collect here will help me in the future to help our environment. My interests are sailing, mountaineering, sustainable development, waste management (especially waste-to-energy), trekking and hiking."



• Carlos Olivo Quiroz, class representative: "I was born in Mexico City. I attained my Bachelor's Diploma in 2003 as a Chemical Engineer at UNAM. I was president

for the Student's Board for the Mexican Institute for Chemical Engineers (IMIQ) and working for the German Society for Chemical Technology and Biotechnology (DECHEMA), was able to learn a bit more from Germany, its people and their environmental development. For this latter reason I applied for a scholarship at the National Council for Science and Technology of Mexico (CONACYT) in 2005. It is a great experience to be part of such an international group like the one we have at WASTE. I would say that for most of all, it is a real dream that came true!"

• Marta Escoto, Gosia Stein-Brzozowska, Carlos Olivo

Recent events

EXCURSION TO ACHEMA

With great interest, the new students have already participated in a first excursion. On 17 Mai 2006, they visited the ACHEMA fair in Frankfurt together with students and scientific assistants of the Institute for Mechanical Process Engineering (IMVT), who organised the excursion. At



the fair, five selected companies presented some current processes and products, i.e. mixing, separating and measurement technologies for environmental engineering.

The students have also made use of the occasion to identify themes for possible Master Theses in industry – who knows, maybe this excursion has even improved the professional outlook of one or the other student.

• Christine dos Santos Costa



WELCOME PARTY 2006

Right in the beginning of February we had our WASTE Welcoming Party. It was a quite cold and snowy evening, but, nevertheless, that did not stop the students from attending! It was a nice break from the tough schedule of the preparatory classes and the stress of the oncoming entrance exams. But most importantly, it gave me the opportunity to get to know my fellow-students better, as well as students from the previous WASTE generations, which did their best to make me feel welcome. Moreover, it is always interesting to see how people from other countries party!

2ND INTERNATIONAL DAY OF THE ENVIRONMENT

On the 29 March 2006, I was given the opportunity to represent my country as a student ambassador for the "2. Internationaler Umwelttag". This event was jointly organised by the Ministry of Environment of Baden-Württemberg and our study program WASTE in the Universität Stuttgart. The main topic of interest was "Global denken - lokal handeln".

To start off the conference, we were graced by the presence and welcome speech from Mrs. Tanja Gönner, Minister of the Environment of Baden-Württemberg. Several topics were discussed regarding the global challenge of protecting the environment, most notably on the reflections about the environment and sustainability.

The renowned climatologist Professor Dr. Mojib Latif then delivered an interesting presentation on global warming which is caused by the increase of green house gases in the atmosphere during the last few decades. The third guest speaker was Mr. Guido Prick from BMW group, who shared with us the corporate sustainability approach via technical innovations.

The serious mood was lightened by piano scores from the talented Ms. Meilu Wu during the intervals, and the ever charismatic TV and radio moderator, Matthias Holtmann, who never failed to draw the cheers and laughter from both the audience and the podium participants.

After the day of discussions and podium participation, I was left to ponder over two questions – how and what can I do as an individual to protect this large and de-

licate environment? Looking back at it today, I believe that Mrs. Tanja Gönner has already answered my earlier questions in her message that day. "...We are willing to work for our future jointly and completely." The responsibility does not solely lie in the hands of an individual, but rather as a unity which consists of many countries.

In an international context, we will always be challenged to reach a consensus with people of different cultures, of different opinions, of different viewpoints, and of many other factors more. However, the message is very clear now – The environment is our future.

Through overseas educations, we learn from an international communi-



ty about environmental problem solving and positive tomorrow's technologies that could one day be implemented in our own countries. Thus, I would like to share my concluding statement during the podium discussion here - As international students in Germany, I believe we share the same aspirations; to learn and think globally, and then to act locally back home.

• Keng Been Ang

During the party, pictures from past events were projected, such as the previous welcoming party, various excursions, the summer party and the graduation cere-



mony. So that really made me anticipate for the programme to begin in order to gain knowledge, participate in similar events and, of course, eventually graduate!

At the end of the day, it turned out to be a great party, with people from all over the world having fun and sharing a common goal which brought them together. It was definitely the best way to feel welcome in a new country (and for some, also in a new continent), which is going to be my home for the next 18 months...

• Magdalini Vithoulka

Life after WASTE

BACK IN KENYA

Having successfully completed the WASTE program, I arrived in my country on 29 November 2003, exploring those organizations where my newly acquired knowledge was to be of immediate use. Luckily, a new Law, Environmental Management and Coordination Act (EMCA) 1999, governing environmental issues in Kenya had been passed by the Parliament into legislation. The Act had stipulated that an independent body, National Environmental Management Authority (NEMA), was to enforce the upcoming Law. Among other responsibilities, NEMA was to develop and enforce national regulations on air quality control, solid waste management, wastewater disposal, land use and disposal of chemical wastes. At the time, I was one of the few technically qualified people on environmental issues in Kenya. As a result, I was appointed by NEMA as Secretariat to a task force entrusted with developing air quality regulations for Kenya. Beginning with reviewing air quality regulations in other countries, the assignment progressed well over the year 2004 and the regulations may soon be ready for gazette by the Kenyan government.

In early 2005, I was appointed the Kenyan contact person and Local Team Leader by Prof. James Lents of the University Of California Riverside, USA, on a project on modeling vehicular emissions for Kenyan city roads. The project was funded by the USA government through the United States Environmental Protection Agency

(USEPA) in collaboration with United Nations Environmental Programme (UNEP), whose Headquarters are based in Gigiri, Nairobi. Over 200 different types of vehicles were tested and a model for estimating vehicular emissions developed.

Under EMCA, I have registered as a Consultant Lead Expert on environmental issues in Kenya, which means I can give unquestionable expert advice and consul-



tant opinion. On this background I joined hand with other professionals, and our consortium consulted for over 50 firms on environmental audits as a requirement of EMCA 1999. Most of these firms have made savings well over 5,000 € per month. The approved approach and knowledge used in this works is mainly what I learnt

from the postgraduate study at the Universität Stuttgart.

Besides the experience above, in early 2005, the Government of Kenya through the Ministry In-charge of Roads advertised for job opportunities especially for Civil Engineering Postgraduate degree holders. I got short-listed to attend an interview, and there took the opportunity to sell out the WASTE program for its excellence in content coverage and relevancy to the needs of developing countries. Indeed the whole interviewing panel became enthusiastic of my expertise and recruited me as an assistant Engineer (Roads) on April 2005. Meanwhile, I am working at a station located about 400 Km away from Nairobi, Kenya's capital city, on a road construction project costing about 10 Million Euro, holding the position of an Assistant to the Senior Engineer on site. There I am involved in overseeing quality control of the works to meet the set standard specifications on every stage of road construction works to bitumen standards. This includes observing and enforcing environmental matters on the overall works, for example the recultivation of the borrow pits we take our gravel from,

and ensuring unsuitable material within the road construction corridor is disposed in an environmental friendly manner. I also deal with run-off estimation computations for every major river crossing to be used in sizing the drainage structures being constructed within the scope of the road project.

• Kevin Nyabuto

WORKING AT THE BOSCH COMPANY AS AN „INTERNATIONAL TRAINEE“

Dear all, "Jeder Erfolg hat seine Geschichte" is the slogan for Trainee Program (TP) of BOSCH Group. I want to share my "Geschichte" with you.

I completed my M Sc. WASTE program in 2004 with the thesis study in Robert Bosch GmbH, concerning on exhaust gas treatment (EGT) systems. It was such an excellent topic that was the combination of environmental and mechanical engineering.

After graduation, I applied some jobs which fit on my technical and personal background. One of them was Research and Development TP of BOSCH Group. There are around 15.000 applications for

TP and 70 trainees are chosen per year. By the way, there is a really good network between Trainees. The Chairman of BOSCH Group Mr. Fehrenbach was a Trainee. I sent necessary documents with my reference letters. Then a few days later I got an invitation for the so called "applicants @ Bosch" that was the selection meeting for candidate trainees.

There were 60 applicants and it was a little bit stressful to show my capabilities among all German speaker applicants. I started my presentation in German to take the attentions on me and than pressed the button for English. Self-motivation and temperament control are really what you

need. Two trainees were chosen after all discussions. I was one of two. Jury was really fair and just concentrated on your behaviors and personality. Even if you are not chosen as a Trainee, you still have chance to get a job in the meeting.

It was not the end but the beginning. After that meeting, I joined four more interviews, which were just to clarify my capabilities and skills in management tasks, regarding on technical and personal issues in related departments.

After all, we planned my TP for 2 years with Mr. Koehler and Mr. Knopf, who are project and department managers, respectively. >>>continues

WORKING AT THE BOSCH COMPANY AS AN „INTERNATIONAL TRAINEE“

My near (5-7 years) future career is planned for EGT systems and project management which are really important for Bosch. For learning complete processes, platform development, research, application and customer support and manufacturing projects were planned for every 6-month periods.

The aim of TP is to educate the necessary future managers by "learning by doing". Besides all advantages for professional career, trainee has language and personal skills development budgets. Moreover, a trainee meets always with employees from different departments and countries to establish his own network and learns different procedures in each station.

I was in Feuerbach in diesel systems in my 1st station. My tasks were modeling the whole of new EGT system for sensitivity analysis (technical), Initial pricing and cost analysis (economics), sensor development for this EGT system. This project was



called "platform project" which was in the decision phase if it would be supported for production and further development.

In my 2nd station, I was in Schwieberdingen in corporate research (CR) department for my research task. DOC (Oxicat) modeling and simulation was my technical task which is one of the main EGT component. I made strategic analysis for CR concerning on EGT systems in commercial vehicles (marketing, management). It was really difficult to have two important tasks with lots of demands and responsibilities on them. In this Station, I provided two master theses for M Sc WASTE students.

I think the most interesting parts are foreign assignments. A trainee should complete one station out of Germany. For me it is two.

After successfully completing my 2nd station, now I am in Higashimatsuyama, Japan. Here I am sup-

porting Japanese customer for the application of DNOX systems for 6 months. I am leading a small team to achieve my technical and management target. It is really exciting that the cultural differences play an important role in business. Moreover, Japan is a very interesting country. Culture, foods, and climate...

Hallein, Austria waits me after Japan assignment. There I will work in manufacturing of EGT systems. Different German dialect and new culture... I am also looking for it.

This program provides huge amount of information about BOSCH Group and processes, which are really important for future managers. These opportunities are only a dream of a normal employee. This program is really difficult due to achieving very many different tasks in different places in a certain period, but provides a lot of opportunities for future career, meeting with new people and fun. I encourage you to apply for this position.

Yours truly,
Volkan Devenci

Studying WASTE

WRITING MY MASTER THESIS IN EDINBURGH

As the only German student of the WASTE generation 2005 I decided to work on my master thesis in a foreign country. When I saw the offer for a thesis at the University of Edinburgh I knew that it would be the right place to go. What country could be better to improve your English than Great Britain? (OK, the Scottish accent is something you have to get used to.) My supervisor Dr. Mark Biggs is well known in the WASTE program because he is teaching the preparatory course thermodynamics.

Within the next six months I will work on the theme "Computational Fluid Dynamics study of Dissolved Air Flotation". Dissolved Air Flotation (DAF) is an important floatation process in the production of potable water. During its use over the past 30 years, largely empirical data has been used to determine operational procedure. The aim of the work is to get a better understanding and so an optimisation potential for the usage of DAF in practice. For that purpose Computational Fluid Dynamics (CFD) simulations will be used. The work will be mainly done with the software FLUENT®.

Dr. Biggs allocated me in a small nice office in the Kenneth Denbigh Building, which belongs to the School of Engineering and Electronics. There I have a PC with the required software. The campus

site is called King's Building and is located in the south of Edinburgh. Mainly the natural sciences and engineering are located there. The old campus is in the town centre of Edinburgh.

Edinburgh, the capital of Scotland with around 436,000 inhabitants, has a historical core, which is mainly dominated by the over 1400 years old Edinburgh castle. Apart from that there are many museums and art galleries. From far outside Edinburgh "Arthur's Seat" is visible. The hill rises above the city to a height of 251 m, provides excellent panoramic views of the city, is quite easy to climb and is a popular walk. The northeast of the city abuts to the sea. In urban areas you can find nice beaches.

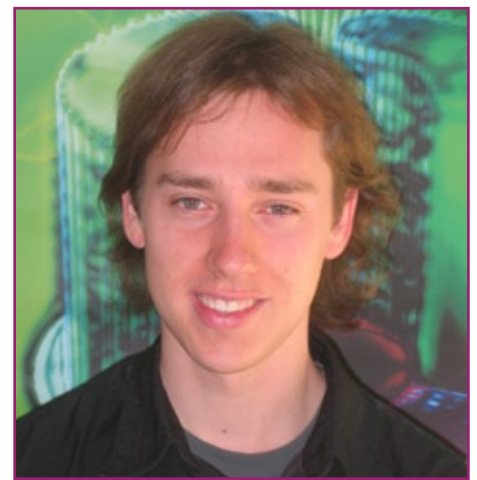
As a guest researcher I don't have access to the university student dormitories, so I was completely on my own. Luckily some colleagues from the school here offered me a room for the first weeks. After almost one month of intensive search I finally found a nice flat, which I share with a Spanish guy and a Chinese girl.

On weekends it is very usual to meet with friends in traditional pubs to get started with some good beers or ales. After that you change to clubs or discos. The nightlife here differs in some points from Germany, e.g. all bars and discos have to close at 3 am

and there is a strict smoking prohibition in all these places. But that doesn't mean the vibe is less vivid.

In August the Edinburgh International Festival will take place, which is considered to be the biggest in the world. In that time the town is at "exceptional circumstances", I heard. A huge number of concerts and stage performances of all categories will take place everywhere in the city. All shops and the gastronomy are allowed to open until 5 am. Lots of tourists are expected to come for the maybe best time of the year in Edinburgh.

• Sebastian Platz



Funny stories

10 HOURS FROM MUNICH TO STUTTGART

It was my first trip outside Stuttgart after two months of preparatory classes and exams. I travelled to Munich with my classmates to attend a Greek Party. The weather was very terrible that day but for some of us it was fun walking and playing in the heavy snow. After long day of sight seeing, we went to a Bavarian Restaurant to eat some specialities. I really enjoyed my meal. After eating it was then party time but unfortunately, some of us decided

to come back home. We went to the Train station and found out that the return trip was going to take the whole night. The last train scheduled to move in 5mins was going to come at an unknown time and the previous train moved some few minutes on our arrival. The return journey took eight hours instead of the normal three hours to Stuttgart and we made a lot of transits. It was very exhaustive trip, but all the same I really enjoyed it so much.

• Samuel Sasu

A WORLD CUP DREAM COMES TRUE

In life some dreams come true, like mine, I had a dream to see a World cup match, I came to Germany as a WASTE stu-



dent and got the ticket to see the world's biggest sporting event. It was Australia - Croatia match on June, 22nd and I couldn't believe my luck that I will be seeing the match.

Football fever picked up around as hosts did well. I was eager for my match.



I had decided to support both teams and enjoy every moment of the match. Stadium was full of fans from Australia and Croatia. Singing and cheering begun. Atmosphere was terrific. We waited anxiously for kick-off.

Finally match started. Croats immediately took grip on the game and won the free kick in 1st minute and scored too. Entire stadium erupted with the word: "Goal!!!!". I witnessed one of the best goals of 2006. Croat fans went crazy and cheered more loudly. Match poised well and Aussies in 39th min scored on penalty kick. Half time 1-1.

After break Croats played brilliantly and scored in 57th min, but they couldn't hold the lead as Aussies were tough guys, they equalized again in 80th min. 90 minutes were over and final score 2-2, a draw, result every Australians liked it and broke Croatian's hearts, sad faces of Croatians really gave us touchy feeling, telling us how much they loved their team. Australia goes into second round. We wished all the best to Australian team and left the Stadium with hearts full of memories.

• Ajay Bidwe



THE FIRST SNOW FIGHT

For some of us watching the snow falling is something that you only see in the movies. Well this time, in Germany, during the winter we tried to make our "first" snow man! Our inexperience in



this field, after some time of trying and trying... showed us that we were not able to make one, so... the best option was a SNOW FIGHT!

My first snow fight! and it was amazing. We just started throwing snow balls to each other and then to some of the windows of the rooms from our friends.

We had a great time and laughed a lot! But of course after some time we were freezing because we were all wet, so our first snow fight ended!

• Daniela Prado

The WASTE Club Stuttgart e.V.

WHY WASTE CLUB?

The purposes of the WASTE Club Stuttgart e. V. are to bring together the organised efforts of members during events planning, to encourage participation more fully in the life of the university as well as the working society, and also to facilitate association among members. The WASTE Club Stuttgart e. V. is also an excellent way for members to continue their lifelong relationship with the study programme as well as the university.

As a member, I appreciate the club more each year – on a personal level, in terms of the outstanding education I received from the WASTE Master's International Programme, and also on a broader level, when I see the important contributions that the students, and alumni are making to the world.

As an accessor to the club, I feel that the club can function as an Alumni associ-



ation for all existing and new members, and is also vital to the growth and excellence of the WASTE Master's International Programme.

Having been a part of the WASTE family for two years, I have already enjoyed the benefits of networking with my fellow classmates and supervisors. Personally, I feel that the club can help every member stay in touch with their classmates and supervisors, as well as keep up with the rapid changes in our industry.

Thus, on behalf of my fellow classmates and colleagues, I would hereby like to invite you to join us. We are currently growing, and every informed and interested members can bring added strength to the club in its pursuit of excellence.

more information:
www.waste.uni-stuttgart.de/club
 • Keng Been Ang

Where to go in Europe?

THE TRIP TO PRAGUE

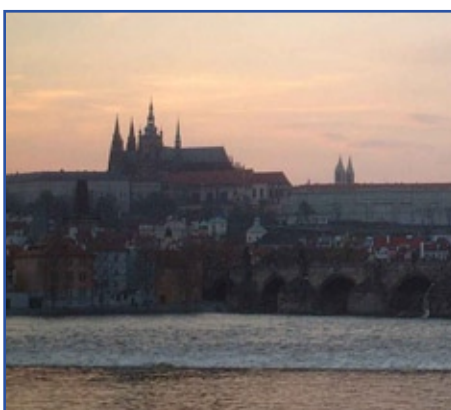
With a population of 1.210.000 inhabitants, Prague is the Capital city of Czech Republic. This remarkable city is listed in the UNESCO World Cultural and Natural Heritage Register since 1992.

The official language is Czech, but you can get around with some knowledge of English or German. The currency is the Czech crown. Prague is not an expensive city; just avoid eating in the main squares!

To go to the home city of Franz Kafka you will need a valid passport and in some cases a VISA. For members of the EU the ID card is enough.

The easiest way to get to Prague from Stuttgart is by plane. Germanwings has direct flights!

Some helpful websites:
<http://www.prague.net/>
<http://prague.cz/>
<http://www.pis.cz/en>



What to see:

- Stare Mesto / Old Town – with the Astronomical Clock
- Josefov / Jewish Town – you can visit some synagogues and learn a lot about the Jewish way of living
- Nove Mesto / New Town – with the Wenceslas Square
- Hradcany – with the Prague Castle, the St. Vitus Cathedral, the Golden Lane and the Franz Kafka Museum
- Mala Strana / Lesser Town – a small replica of the "Eiffel Tower" can be found here
- Vysehrad – the view of the Vlatva River pays off the climbing!
- Charles Bridge – astonishing!

If the stay is bigger than 3 days:

- Karlstejn Castle – less than 1 hour by train, is worth to take half a day to go there!

• Tatjana Pereira Medon



WASTE NEWS

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