

ICPS 2000 IN ZADAR, CROATIA

EPS RELATIONS

IÆESTE CONFERENCE

WHAT AN EXPERIENCE- ICPS'99



# JIAPS NO. 9

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## IAPS Central Office 1999-2000:

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The bank account details for IAPS this year (and the fees due):

National Committee:	240 EUR
Local Committee:	60 EUR
Individual Member:	10 EUR

The fee should be sent by bank-transfer to the following account:

Bank:	Budapest Bank (Hungary)
Location:	Budapest
Account owner:	Mafihe
Account number:	10102086-09639800-00000009

Please make sure that all costs are on YOUR side. Also do not forget to write the name of NC/LC on behalf you are paying.

The address of the Central Office for this year:

IAPS CO  
Mafihe, ELTE TTK  
Pazmany Peter Setany 1/A.  
H-1117 Budapest,  
HUNGARY

The official address of IAPS (which should not change):

IAPS  
EPS Secretariat  
34 Rue Marc Seguin,  
BP 2136  
F-68060 Mulhouse Cedex  
France

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### **IAPS -ICPS**

IAPS, an abbreviation for International Association of Physics Students, was little vague to me until I participated in ICPS'98 in Coimbra, Portugal. Only then I realised what it means. It is really an association for all students of physics around the world and it is great to have such an organisation to keep contacts to other physics students around the world alive and active. Main event of IAPS is of course ICPS-International Conference of Physics Students held each year in a different country.

Even before I first met any of the IAPS officials we had started to work for ICPS'99, which was held in Helsinki. And because of that after 98 conference in Coimbra I had lot of new friends around the world and because IAPS organises also an IRC meeting every month you get to keep those new friendships alive, although everyone lives 1000 kms from each other.

If you feel that you want to meet new people or to have great experiences, don't hesitate to participate in ICPS 2000. This year IAPS gathers all physics students to Zadar, Croatia on the shores of Mediterranean sea.

*Tommi Bergman*  
*Editor*

## A WORD FROM THE CO



My name is Márton Major, I'm a first year PhD student at the Eötvös Loránd University (Hungary, Budapest). I am carrying out my research work at the KFKI Research Institute for Particle and Nuclear Physics.

The General Meeting of Helsinki put me as president for the year 1999-2000. My relationship with IAPS dates back to 1995 when I attended my first ICPS at Copenhagen. Next year I helped with the Szeged conference by undertaking the correspondence. Then I was more active in the Mafihe (the Hungarian NC of IAPS). First I was elected president then next year treasurer. The next year I agreed to take from Miguel Carrion the JiAPS

editor's position. (I am the culprit for JiAPS issues 3 and 4).

After the US withdrawal of president designate position the Mafihe decided — after long hesitation — to run for presidency at the General Meeting in Helsinki. As the only nominee Hungary got the central office. The members: president, secretary: Szabolcs Borsányi <mazsx@cleopatra.elte.hu>, treasurer: Gábor Németh <gab@metal.elte.hu>.

As a PhD student I have less spare time to deal with IAPS business as originally intended. On the other hand the number of active peo-

ple in IAPS is growing rapidly (see for example the Budapest spring meeting), so I really feel lucky, that in a such expanding period I can contribute to the community.

Márton Major  
President

Ps: If you have questions, then ask (you will get an answer but it might be delayed — sorry).

# EPS-CONTACT

IAPS is a student run organization for students but we can not isolate ourselves from the outer world. Our main partners at the present moment are EPS, EUPEN and IAESTE.

## EPS CONTACT:

EPS stands for European Physical Society (founded in 1968, [www.eps.org](http://www.eps.org)). In the recent years EPS realized the importance of keeping contact with young physicists and physics students. For the past three years EPS has had a Student Liason Officer (similar to Nexus') who is responsible for student contacts and activities through Europe.

Mr. David Lee (EPS General Secretary) was present at the ICPS in Helsinki, where we had a short meeting. The discussed points were similar at the EPS-IAPS meeting which took place in Budapest (7th January 2000).

Participants in the meeting: Mr. David Lee (EPS General Secretary), Ms. Mária Lázár (EMSPS Secretariat), Prof. Dénes Nagy (Organizer of EPS XII), József Bruck (IAPS, organizer of the Budapest PSI meeting), Szabolcs Borsányi (IAPS Secretary), Márton Major (IAPS President)

## THE DISCUSSED POINTS:

1. EPS XII conference: August 26-30, 2002, Budapest

The General Conference of EPS will take place in Budapest in the year 2002. EPS' aim is to focus on young physicists, thus offers financial and logistic help. In the scenario proposed by Mr. Lee famous physicists will give lectures on various topics of physics for the young physicist and physics students. We agreed, that the CO will do its best to get the right of organization of ICPS'2002 at Budapest. (But of course the final decision belongs to the General Meeting.)

To hold the two conferences at the same time is not such a good idea, but a one- or two-day overlap would be reasonable. The ICPS would be held before the EPS conference. Also it would be possible to attend the two conferences for a reduced fee. EPS targets not only physics students but young physicists. The IAPS alumni club (hopefully formed by that time) can also be a good "target".

## 2. Official address:

As at the Helsinki General Meeting IAPS representatives agreed EPS will hold the official address of IAPS:

IAPS CO  
EPS Secretariat  
34 Rue Marc Seguin,  
BP 2136  
F-68060 Mulhouse Cedex  
France

This will help us not to lose

contact with other international organizations when the CO moves each year. Of course the IAPS CO will have its moving address also, which is, for this period:

IAPS CO (Mafihe)  
ELTE TTK  
Pázmány Péter Sétány 1/A.  
H-1117 Budapest,  
HUNGARY

(If you send your messages here, then it will reach us in shorter time than at EPS, but this second address valid only until August 2000).

3. EPS offers an internet name under its domain and a place on a computer. The IAPS EC is still considering the best way to make use of this facility.

4. EPS is looking for a Student Liason Officer. This is a one-year job, available for PhD students working at the universities of Strasbourg, Mulhouse, Freiburg or Basel. The job demands 1.5 days per week and the money paid is 450 EURO/month. EPS asks IAPS to help to get applicants. This is important for IAPS too, because the SLO will be the 'face' of EPS towards IAPS (and will open IAPS' mail at the EPS secretariat). If you are interested or need more details please contact Mr. David Lee at ([d.lee@univ-mulhouse.fr](mailto:d.lee@univ-mulhouse.fr)). Important: this job offer is good only for students!

5. Mr. David Lee promised again that, that he will help with the legal registration of IAPS in France. He will look trough our Constitution and by-laws (i.e. our Charter and Regulations), but not before May. Also he will finance one EC meeting this year either in Mulhouse or in Budapest. This means that we can set the date (but again not before May) and then he will also come

and finance our meeting! (This is not be the same as the February Budapest meeting which is sponsored partly by IAPS).

Ms. Mária Lázár told us, that the EMSPS (European Mobility Scheme for Physics Students) is still running, but with insufficient funding. The EU funds are down and thus only the EPS grants are available (10

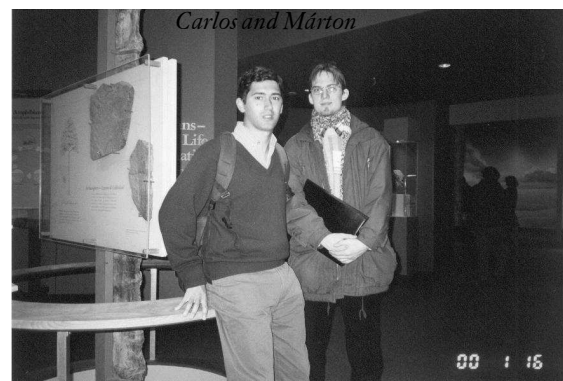
grants/year). This is bad news because the network is still operating (see the homepage at <http://www.kfki.hu/~emsp>).

*Márton Major*  
President  
*major@rmki.kfki.hu*

## IAESTE RELATIONS

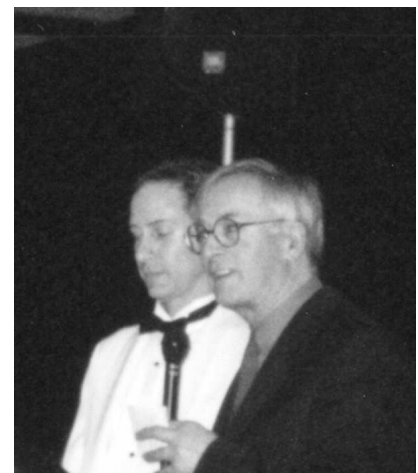
The General Meeting in Helsinki agreed that IAPS should run its own student exchange program. A first step in this direction could be the renewal of the relationship with IAESTE. IAESTE stands for International Association for the Exchange of Students for Technical Experience. It has 70+ member countries. In each full member country there is a NC (similar to our National Committee) which is responsible for the exchange process in the given country. Each year IAESTE exchanges around 6000 students on a bilateral basis including approxi-

mately 150-200 physics students. This is the reason why IAPS can co-operate with IAESTE. At the Annual Conference of IAESTE - which was held in Washington DC - observers from IAPS were present, namely Carlos Correa from Argentina and Márton Major from Hungary. We had a first-hand experience of a well organized exchange process. On the evening of our arrival



Carlos attended the “house-warming” (opening) party where he

*Carlos and friends*



explained to a lot of people the meaning of the mysterious IAPS abbreviation while Márton went to the Hungarian embassy to arrange his lodging. Many thanks to Mr. András Roboz, the Hungarian Science & Technology attaché. Next morning (15 Jan.) after the official conference opening the newcomers were invited to the administrative seminars where the history and the structure of IAESTE was briefly explained. The Annual Conference (at IAPS we call it General Meeting) is the most important event in IAESTE's year schedule. It has two roles: To make all decisions concerning IAESTE (Conference Sessions) and to exchange the collected jobs (Exchange Sessions). The Exchange Session takes place in a big conference room. Each nation has a table with its national flag. The IAESTE

exchange is strictly bilateral. The rule is simple: the number of the jobs you get from the country must be equal to the number of the jobs you offer to that country. Also each country should try to keep the parity of professions. For example if they had 20 physics jobs to offer then at the end they should have gathered 20 physics jobs from other countries. This is also important for IAPS. Before coming to the conference each country must fill in a form of requested offers (approximately how much jobs and what type of jobs they want to exchange with other countries). Carlos made a good job in advertising IAPS. He also got involved in the exchange process by helping Argentina. On 18 January we had an official meeting with Mr. James E Reid, the General Secretary of IAESTE. We agreed that IAPS can join the ex-

change process at the national level. This means, that simply physicist jobs should be delivered to IAESTE which exchanges them. IAESTE has only two strict criteria: the job must be paid (to cover at least the cost of food and lodging) and must be at least six weeks long (but eight weeks is preferred). "We [IAESTE] also pay attention to the quality of the job. The jobs are classified as Research, Professional and Manual. In IAPS' case, you would be looking for Physics jobs but you [IAPS] could deliver other technical jobs as well for the exchange but they must offer sensible work experience and relate to the study areas of the students. The goodwill of IAESTE is there" said Jim Reid and added that he will present a Memorandum of Agreement in the next IAESTE bulletin.

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## IAPS-IAESTE AGREEMENT

### IAPS ACCOMPANYING PERSON AT IAESTE MEETING

*South American General Coordinator*  
*Carlos A Correa*

As some of you may know, it was held in Washington DC the 50<sup>th</sup> International Meeting of IAESTE, which is the International Association for the Exchange of Students for Technical Experience.

During this meeting all countries try to place their jobs in other countries. Producing a 1:1 exchange basis. At this time the number of member countries is about 61.

About 50 are full members, the rest are new and developing committees of IAESTE, at a local or national level.

What I have seen during this meeting is that it really exists a cooperative environment among countries, although some of them reject certain places to send their student.

For instance Slovenia had several problems with people from Netherlands.

Most IAESTE committees are students run, although you may not believe it.

Spain, Greece, Austria, among others are full student run

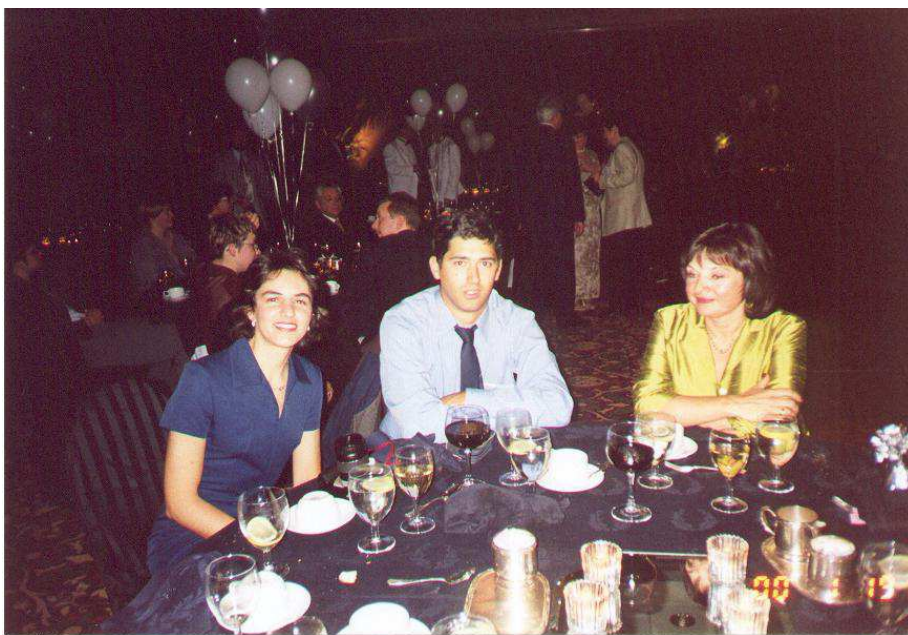
without exception. Though the students in charge at that moment are the ones who travel to the exchange meeting.

As they charge a small fee to every student who applies to IAESTE program, they have an income that it is used afterwards to cover travel expenses and administration.

But IAESTE works only for exchanges. And IAPS is focused only on physics students.

At an engineering level our association is not well known, almost nobody knew about IAPS. During the welcoming party I





*Left to right delegates from Uruguay and Argentina. And the one in the middle it is myself.*

have to introduce IAPS to almost all-present countries. As in general they have only member countries, it was a bit unusual for them to have an Association as IAPS at their meeting.

They also organised during the meeting a national party quite similar to ICPS. The difference between IAESTE and ours is that the last counts with people from all ages, from students to senior people.

As an IAPS representative during the conference I have tried to make as much contacts as possible. Fortunately the results were really positive.

I have met people from almost all countries, which resulted in a good relation including South American committees such as Brazil (which is among the largest ones -400 offers, Germany 1200), Uruguay and IAESTE Argentina.

I have also the chance to talk to science students from several committees and they

agreed they do not pay too much attention to physics jobs, just chemistry and Biology.

About this topic we have a discussion with Mr. James E Reid, who is the present secretary of IAESTE.

The result of this meeting was a good deal. The main subject was about IAPS-IAESTE and the way they should interact.

We had two choices, one of them was to compete with IAESTE, which I do not think it will be fruitful for IAPS, because IAESTE already counts with a large network of countries and almost full time students/employs working at a national level. The second choice, which we consider a good one, was to co-operate with IAESTE at National level. Which means that every IAPS NC who generates a job

placement will forward it to IAESTE with the condition that placement will be restricted for only "Physics Students" without other strings or First Priorities.

That was the agreement we got from Washington DC. Mr. Jim Reid will be responsible for writing a Memorandum about this agreement. We asked him to write it on paper instead of leaving it as verbal understanding.

According to what he has told us there will be no fee strings attached to this agreement.

*IAESTE National Party at the "Mercosur" table. Argentina, Brazil and Uruguay. .*





Though with this Memorandum all IAPS NC will have the right to contribute and participate in IAESTE exchange but exclusively for Physics students.

I think this is a great benefit for all members of IAPS. The

only condition is that the Job placement offered to IAESTE must have a normal salary and be no less than 8 weeks long.

With this new IAPS agreement, among others, we will contribute step by step to build a great and international associa-

tion mostly founded in hard work and commitment to success.

In case you have any doubt or comments about IAESTE please send me an e-mail to: [correac@royal.org](mailto:correac@royal.org)

*IAESTE Committees leaving at Marriott Hotel reception. Me and guys from Greece, Uruguay and Austria.*



IAPS on the Net :  
<http://www.nikhef.nl/pub/iaps/>

# WHAT AN EXPERIENCE!!!

## ICPS'99 Helsinki

XIV International Conference for Physics Students  
Helsinki 14th - 20th August 1999

Finland! Wow! How is it going to look? How cold is it going to be? And are the people really going to be nice? These are a few of the questions that I kept on soliloquizing, when I received my acceptance letter to Participate in this elite conference (International Conference of Physics Students 1999, Helsinki, Finland.) of young and exuberant physicists from all over the global community.

With this being my first ever international conference, I

had several preconceptions before I even decided to go ahead and pay for my application fee. I thought I was going to be treated differently since I am of a different race. I wondered about the courtesy of the other participants, how knowledgeable they were in their pursuing career and also in other matters, and how I was going to relate to them. I thought all these were going to have great effects on me. But, read on and see what happens once I got to Finland. The first time I saw English as the third language, was at the Helsinki Airport. Hmm! I said. Royce James, the other United States of America participant and I, looked at each other when we saw this and just kept on moving. The funny aspect was that, we had to make a stop at every exit sign in order to read the directions of where are baggage were. Indeed, everyone had realized that we were tourists and first time visitors by this time.

The ever-competent Organizers of the conference

were at the Airport to welcome us and give us directions as to what we had to do. We went to the new student house for our friends there. And then I had to try and find the Hostel that I

*Cecilia Jarlskog after her Lecture*



was going to live in. Well, that was made easy since I had a companion, Peter Jensen (U.S. Participant) to help find our way. We got lost a couple of times though. But with the help of the nice Finnish people along the way, we were able to locate The Satakuntatalo Hostel. I got to know several people at the evening welcome and social reception. The next day, Sunday, started very early after I had gone to bed so late, talking to the new worldwide friends I had made.



*National Party: the Spanish flamenco and the Danish Vikings*



The opening ceremony started around 8:00am at the University of Helsinki auditorium. It was a very lively and interesting one. I thoroughly enjoyed Prof. Cecilia Jarlskog's lecture.

The environment was just the perfect one for the conference. The participants and even the other Finnish that we met in Restaurants, shops etc. were very friendly. The little tours around the city after breakfast were very informative especially when I was in the group of Walter Rydman and Ari Harjunmaa. They seem to know so much about the History of Helsinki. It made me feel that I was taking a course in Finnish History. The surprising thing was that the city was so, so clean. As the days went by, everyone kept on making new friends and it became quite hard to keep up with the new names learnt. I got the chance to share my culture with others and also learn about other peoples culture. This was so evident at the

National party where every country had to do something that represented their countries values, food, culture and ethics. I just admired the dances that were performed by the Spanish, Polish and the "Zorba" by the Greeks. The most interesting thing for me was, learning the languages from other countries. You can just imagine me saying "Kiitos" (Thank You in Finnish) to every favor that was done for me. The presentations given were very informative and some were very professionally done. But, I believe some students need to work on their communication and presentation skills in order to give better oral scientific presentations. I also got the chance to discuss the Academics of other students and was able to share common bonds and differences with them in certain topics in physics.

Trips to the Suomenlinna Fortress, Nokkia Research Center, Fortum and the

Kopparnäs Energy Park were enjoyed by all. The climax of all the tours and trips was the cruise to Estonia. That was really a pleasant one. I got the chance to mingle and make more friends with all the other participants.

On the whole the conference was very informative. It really broadened my mind on various scientific and global issues. I developed several professional relationships and made permanent friendships. Also, I improved on my communicating skills and research knowledge.

But before I conclude, I would like to say Bravo! to the Organizing committee. You did a wonderful job. I am very grateful for such a rich experience at the conference. And you know I am definitely going to be in Croatia. See you there.

*George Ofori-Boadu  
Hampton University  
U.S.A.*

*One of the Big Ships in Helsinki port*



*Thankful OC on the Cruise*





## 2nd Announcement

### ***What is ICPS?***

International Conference for Physics Students (ICPS) is the annual conference of IAPS (International Association of Physics Students). Each year it is held at a different world university, and in the year 2000 the conference will take place in Zadar, Croatia. Two hundred and fifty physics students from 29 countries participated at the last ICPS 99 in Helsinki. This year in Zadar from August 4<sup>th</sup> to 11<sup>th</sup> we expect more than three hundred participants from all over the world.

### ***Goals***

The goals of the conference are to give physics students an opportunity:

- to present their scientific achievements before an international audience
- to get informed about latest accomplishments in physics through a series of talks held by distinguished invited speakers
- to establish contacts and an exchange of ideas with colleagues from other universities
- to learn about academic and cultural identity of the hosting city and country

### ***Guest speakers***

Distinguished guest speakers will give a series of lectures in which they will present the facts on the state of research in their respective fields. They will discuss the impacts of physics on various aspects of society and assess science standpoints in today's world. The list of guest speakers includes the following:

- · · Sir Arnold Wolfendale, the president of European Physical Society and professor at the University of Durham
- · · Frank Burnet, professor at the University of the West of England, Bristol
- · · Risto Ilmoniemi, head of BioMag Laboratory at the Helsinki University Central Hospital, Helsinki

The special event during the conference will be the round table titled: Physics at the Turn of the Millennium, moderated by professor Vladimir Paar. Chief purpose of the round table will be encouraging the dialogue between scientists and public. Lectures and the round table will appeal not only to physics students but to broad audience also; hence there will be a wide media coverage.

## **Zadar**

Zadar is a three thousand year old Croatian town on the Adriatic coast, which has been the capital of Dalmatia for many centuries, and as such has been the fountain of Croatian history and cultural and scientific heritage. Well preserved monuments of spiritual and material culture speak of the town's rich history, which can be seen in numerous cultural layers in the ancient town centre fortified with thick walls: the ancient street gird of the town, Roman forum dating back to the 1st century AD, ancient Croatian sacral monuments, for example preromanic church of St. Donatus from 9th century, as well as many romanic, gothic, renaissance and baroque churches and buildings.

Its importance for Croatian culture can be seen in following facts, showing Zadar's legacy to Croatian science and literature: the first Croatian university was founded in Zadar in 1396, the first Croatian novel was published in Zadar, as well as the first newspaper in Croatian language... It's precisely because of its cultural and political importance that Zadar had been a target of various imperialistic tendencies many times during its long history. Damages of the war of 1991 are still visible in Zadar and in the surrounding villages.

Wider area of Zadar is strewn with national parks (Krka, Kornati, and Paklenica). The Zadar region offers over thousand kilometres of picturesque and unpolluted coast with a necklace of over three hundred islands and islets, having many peaceful unspoiled bays.

## **Who are we?**

The organiser of the ICPS 2000 is the Student Section of the Croatian Physical Society. The conference is co-organised by the Faculty of philosophy in Zadar and Physics Department of the University of Zagreb. The Student Section of Croatian Physical Society is the National Committee for Croatia of the International Association of Physics Students (IAPS) and was founded in 1994. The Student Section of the Croatian Physical Society was mandated as an organiser of XV. International Conference of Physics Students (ICPS 2000) at IAPS General Meeting in Helsinki.

## **Service information**

### **Conference fee**

The conference fee of 120 Euros is required to participate in the conference. It will cover accommodation, two meals per day and all the conference materials (Conference Handbook, Proceedings etc.) The full amount has to be paid before June 15 th , 2000, and we will start receiving payments after the pre-registration period ends. We have to receive the full amount of the conference fee, which means that you should pay all bank transfer costs.

### **Pre-registration and registration**

If you would like to participate in the conference, you should fill out the pre-registration form available on the Internet, <http://www.hfd.hr/ICPS2000/registration.html>. If you are unable to fill out the WWW form, please contact the Organizing Committee at the address given below.

The number of participants is limited to 330 people, so you should pre-register as early as possible to ensure your attendance at ICPS 2000. The pre-registration will last until May 15 th , 2000. After this period ends, accepted participants will receive a notice stating they can register by paying a conference fee.

### **Lectures and posters**

Every participant can give a lecture or present a poster about their work, with subject being in the area of physics or any related science. Duration of each lecture should be limited to 20 minutes for lecture itself and another 5 minutes for questions from the audience. The posters will be presented to other participants during the poster session, and the participants will be able to discuss the posters with the authors.



### **Abstracts**

The abstracts of all lectures and posters will be published in the Conference Handbook, so you should submit the abstract of your work before June 15<sup>th</sup>, 2000. The abstracts can be sent in as LaTeX documents, Word documents, txt or rtf files. Further details will be available on our Web page.

### **Papers for the Proceedings**

After the conference ends, all participants will receive the Proceedings of the conference, in which papers describing all of the lectures and posters will be published. You should submit a paper describing your poster or lecture to the Organising Committee before the conference ends. The papers can be sent in as LaTeX documents, Word documents, txt or rtf files. Further details will be available on our Web page.

### **Accommodation and meals**

The participants will be accommodated at the student dormitory, in double and four-bedded rooms. Rooms have bathroom and toilet facilities adjoined. The conference fee covers two meals per day.

Alternate accommodation and meals can also be arranged for some of the participants. Inquiries should be made to [icps2000@hfd.hr](mailto:icps2000@hfd.hr). The organiser can give no guarantee that the conference fee will cover any extra requests.

### **Travel info**

Participants are expected to make their own travel arrangements. Zadar airport is some 10 km away from the city. There are international flights to Zadar almost every day via Zagreb and a flight to and from Zagreb international airport twice a day. Zadar is an international shipping port. There is a ferry to and from Ancona (Italy) once a day and to and from Rijeka (Croatia) once a day. It is possible to reach Zadar by bus and by train. Recommended means of travelling are by plane and by ferry.

## **Contact information**

E-mail: [icps2000@hfd.hr](mailto:icps2000@hfd.hr)

WWW: <http://www.hfd.hr/icps2000>

Ordinary mail: ICPS 2000 Organising Committee

Bijenicka cesta 32

10000 Zagreb

Croatia

Tel: +385 01 4605 512

FAX: +385 01 4680 336



*ICPS 2000 Organising committee gets tools to organise a Conference!*

# CAR SCATTERING I

Once we decided to verify some strange results of Quantum Mechanics. We have heard about the doubleslit-experiment and it's consequences in our first QM lessons, so we decided to measure this well known effect in real life with real, big particles. With cars. The goal of the doubleslit-experiment is, as we all know to show:

*Part of Prof. Cecilia Jarlskogs Lecture in ICPS 99*

first, that one can shoot well defined particles through an arrangement consisting of two slits. Due to the mountainous uncertainty, which means you

don't know which one of the slits the particles passed, one detects a distribution of particles as if waves had made the long journey through the slits. second, if this misterious experimentator really wants to know which way the particles took and therefor detects them at run time, he will end up with exactly what he expectet: "Hey, looks like some particles went through the slits."

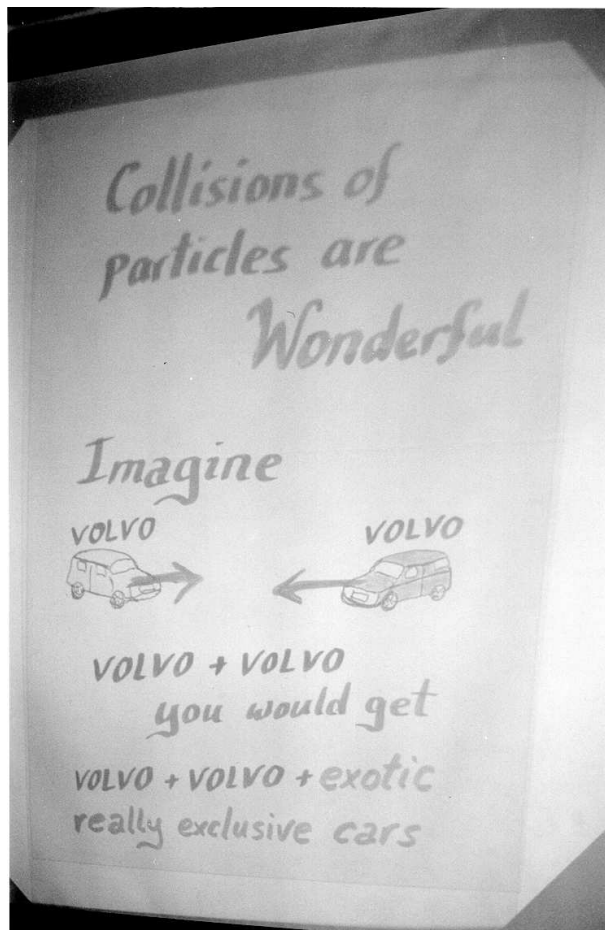
Determined to verify these two results of QM for real, pure particles we went outside our dark, cold

laboratories and managed some cars. We drove them to the old closed train station of our little town, arranged a train with a special configuration of waggons: two high boxwagons then one of the low ones then again two high boxwagons, etc.... Now we started the experiment. We positioned the cars, powered up the train, started the engines, started the train. As soon as the train had enough speed, we sent our cars towards the slits, ie. over the low wagons, and watched the event. Whow, the train was moving really fast, 140km/h  $\pm$  2km/h, so you couldn't determine which slit each car took, independent of its sort, Chevy, VW, Porsche or Audi. And really, after 37 cars had passed the slits we measured a sort of wave distribution beyond the wagons.

As second part of our experiment we arranged everything, except the 37 cars, as before and started the whole game again. But this time we took care to be able to watch the cars passing the slits. To reach this we decreased the speed of the train to 0.5km/h  $\pm$  0.001km/h. What we saw was this: Every car except one Audi took a welldefined, clean path over the low wagons and stopped behind, more or less abrupt. Just as we expected.

Resuming, we determined that Quantum Mechanics is among other things capable to describe distribution and state of cars after heavy traffic.

(c) Christian Stutz



# TO CONTRIBUTE TO JIAPS

- E-mail address: Contributions to JIAPS should be sent via e-mail to the Editor at [jiapsed@yahoo.com](mailto:jiapsed@yahoo.com)
- Format: Preferred format is ASCII text, either as the body of message or as an attachment. If the article is part of the message, it should be clearly distinguishable from what ever comments the e-mail contains. Theswecomment may include indications about the layout of the article( for example, if it contains illustrations, where to include them). Paragraphs should not be indented, either with tab stops or with spaces. They can be separated by blank lines.
- Word processors: Word-processed files are acceptable, although they may present problems of conversion. WP or Word documents only.
- Illustrations: Photographs, diagrams or drawings can be sent as attached graphic files. If the graphic is accessible from WWW, an URL is perfectly acceptable.
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- Topics: Acceptable topics include anything related to IAPS, to Physics, or to Science in general, including problems proposals and solutions. In the unlikely event that too much material is received, publication of some articles may be postponed.
- Length: Length of the contributions is left to the judgment of the author(s), within reasonable bounds. In the unlikely event that too much material is received, articles longer than four pages may be published in several installments as the discretion of the Editor.
- Deadline: Deadline for submissions of contributions for issue 9 is June 30, 2000.

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