

# 24<sup>th</sup> European Conference on Liquid Atomization and Spray Systems

The 24<sup>th</sup> conference of the annual series of ILASS Europe was held at September 5-7, 2011 at Estoril, Portugal. Ass. Prof. Takehiko Seo, Mega Nur Sasongko (D3) and Lilis Yuliati (D3) presented their papers in this conference. Simply, we reported the event.



## About 24<sup>th</sup> ILASS Europe

It was aimed to gather researchers, representatives of different communities, to share ideas and experiences that can further participants understanding of the physics of atomization and spray. 24<sup>th</sup> ILASS Europe was held at Estoril, Portugal, exactly at the Palacio Hotel. This conference consisted of three plenary lectures as well as 141 oral presentations and 27 posters which are selected from 190 submissions, together with an exhibition of equipments in measurement and spray technology.



Palacio Hotel



24<sup>th</sup> ILASS Europe Conference

## Departure

We start our flight from Ube airport → Haneda Airport → Narita Airport (by bus). We were departure from Narita airport at 11.25 at September 3, 2011 by ANA go to Frankfurt, Germany and continued by TAP Portugal Airplane from Frankfurt to Lisbon, Portugal. This flight needs around 15 hours and 20 minutes as well as 2 hours and 35 minutes for transit at Frankfurt airport. This was a very long flight, so... tired and boring...



Long way to Estoril, Portugal

## Transit at Frankfurt Airport



Camel smoking zone, what is relation between camel and smoking??



Some little girls run, chase and joke each other on the escalator. 楽しそうです、でもあぶくない??

Interesting something, in this airport we can leave food or drink box on the table or the other place. Then cleaning boy, will dispose them to the garbage box. A different culture if compared with Japan.

## Arrival

We were landing at the Lisbon Airport around 22.00 at the same day, with detail as follow: total time for flight and transit was around 18 hours + some delay in schedule – 8 hours (time in Portugal is later for 8 hours if compared to the time in Japan).

We went to hotel in Estoril by taxi; it was need around 30 minutes. The taxi fare was 50 Euro (around 6000 Japanese Yen) in the night. In the day, taxi fare is a half than in the night, so it is much cheaper if compared to the taxi fare in Japan.



Estoril city



A park in front Estoril Casino

## About the Conference

The technical program in this conference consisted of:

- Three plenary lectures, every day from 09.00 – 10.00.
- Three parallel rooms for oral presentations, three sessions every day.
- Poster sessions together with an exhibition of equipment at the conference site.

The social program and meeting in this conference were:

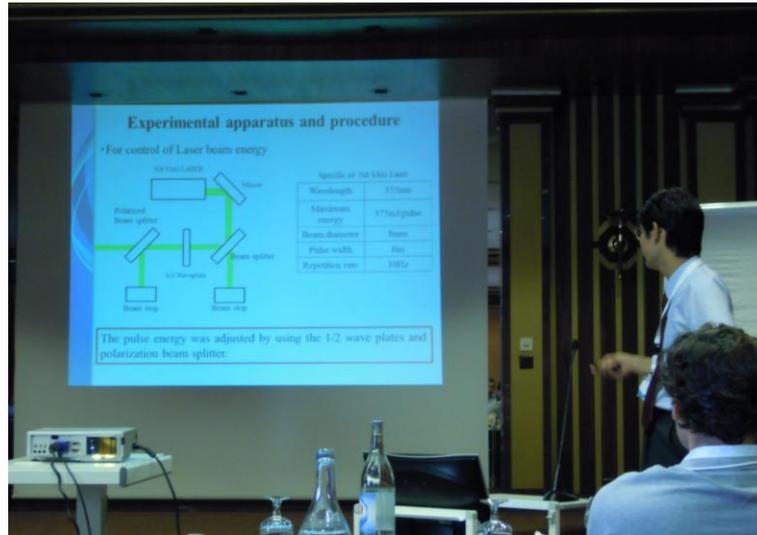
- Welcome reception held at September 4, 2011 from 18.00 – 19.00.
- ILASS Europe Committee meeting held from 12.30 – 14.00 at September 6, 2011.
- Annual general meeting from 18.10 – 19.30 at September 6, 2011.
- Dinner at the night of September 6, 2011.

Plenary lectures were held every morning from 09.00 – 10.00 am at the Atlantic room. The topics of plenary lectures were optical diagnostics for spray measurements (Prof. Yannis Hardalupas), simulation of fuel injection process (Prof. Guillermo Aquilar) and biomedical applications of sprays (Prof. Manolis Gavaises).

Sessions of oral presentations were conducted in three parallel rooms, divided based on the some main topic research. The topic which has largest number of submission is modeling and simulation. Mega Nur Sasongko presented his paper in the first day of the conference, while Ass. Prof. Takehiko Seo and Lilis Yulianti presented their paper in the third day of the conference.



Plenary lecture



Seo sensei's presentation, there were so many question after the presentation



Mega san's presentation in the dark room



My presentation about Nano-micro application in combustion

## Location of the conference: Palacio Hotel at Estoril

Estoril is a beautiful city, could be reached by half-hour drive or by train from the Portugal Capital city, Lisbon. Estoril was intimately linked to the Portugal Age of discovery. During the Second World War this region was the center of spies and diplomatic secrecy. Some dignitaries and exiles came to Estoril at that period.

Palacio hotel is a five star hotel; located near Estoril Casino. This hotel was the chosen home of numerous members of European royalty who went to Estoril at the Second War period as well as the haunt of British and Germany spies. Later, these stories of intrigue and espionage was inspired the James Bond movie and the Palacio Hotel was used as the set for the movie "On Her Majesty's Secret Service". Estoril Casino is the biggest casino in Europe, it offers concerts, cabaret, dancing and art exhibition as well as high class gambling. Tamariz beach could be access by an underground pass, located at the bottom of the elegance of the Palacio Hotel and Estoril Casino.



Palacio Hotel



Estoril Casino



Tamariz beach



Cute garbage box near Tamariz beach



“Yamaha” shop in Estoril



Strange building near the beach

Along the beach, many restaurants, cafes and bars serve fresh fish, sea food, traditional snacks, patisseries as well as some kind of drinks. Walk westwards for 15 minutes from the Tamariz beach will be reach the Cascais which have many beautiful beaches.



Delicious sea food



Sunrise picture taken from the hotel



Sunset picture taken from Tamariz beach



Boca do Inferno (Mouth of the Hell) area



Cute toilet around the beach in Cascais



Three line ways for car, bicycle and walk along the beach

Train is cheap and pleasant transportation. The passengers use a rechargeable ticket for ride the train. We can recharge the ticket on the ticket box or the station locket. The ticket fare was very cheap, return ticket from Estoril to Lisbon was 4 Euro (around 460 Japanese Yen).



Train station at Cascais



Entrance/exit gate and check point



Train with many pictures on the body



Rechargeable train ticket

## Other: Sintra and Lisbon

Beside attending the conference and explored the beautiful area in Estoril and Cascais, we also went to the Sintra and Lisbon. From Cascais, we went to Sintra by bus. Unfortunately, at the time held a festival in Sintra, many groups of the residence make an attraction and walking around the city. So, we have to get off from the bus and walk for a long distance to go to Sintra National Palace. However we could look the festival.

The Sintra National Palace is located in the hill area in the town of Sintra. It is an important tourist attraction and designated as a World Heritage side by UNESCO.

There are many old and historical buildings as well as museum around the Sintra National Palace.



The Sintra National Palace



The way to the other destination



Environment friendly transportation in Sintra



Bus ticket to go to Sintra

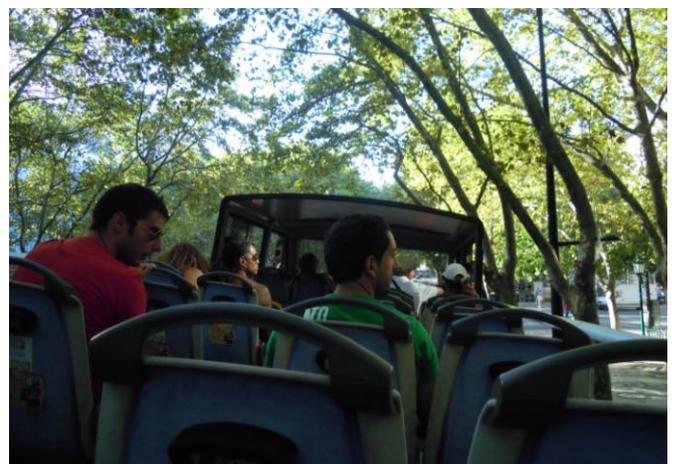


Some attractions in the festival

Lisbon is the capital city and the largest city of Portugal as well as one of the oldest cities in the world. This city was the westernmost large city located in Europe and the only one along the Atlantic coast. Furthermore, the westernmost point of the Lisbon is Cabo da Roca. We could enjoy the beautiful of Lisbon by bus tour which departure from the center of the city.



Bus tour around the Lisbon



Ride the bus tour



The westernmost point Cabo da Roca



Praca do Comercio



Tram car in the Lisbon



Old beautiful city



Nice life in the Lisbon



Some beautiful scenery in the Lisbon

## Closing remarks

Attending the annual conference on the liquid atomization and spray system has improved my understanding and broaden my knowledge about atomization technology. Many scientists around the world attended and presented their latest research in this conference either in the plenary lectures, oral presentation or in the poster sessions. Furthermore, I could ask directly and discuss with the expert in the atomization technology in this event. Attending their presentation and discuss with them more open my eyes about the latest progress in the atomization technology.

Attending the ILASS-Europe conference was my first experience to have a journey and presentation in Europe. Even though I have limitation in English capability as well as terrible pronunciation, I have already finished my presentation as well as received some questions from the audience who is familiar with English in their daily life. It will be my last presentation as a doctoral student. On the contrary, I hope it will be my first step for my research and presentation in the future. Let's try more and do our best...

Finally, I would like to thank Mikami Sensei and Seo Sensei for giving us opportunity to have a presentation in this conference. Thank you very much for your excellent guidance and encouragement so that I could finish and present my research. However, it was not perfect attended the conference without Mikami Sensei.