

6th International Deer Biology Congress

August 7 - 11 2006
Prague, Czech Republic

Programme



Czech University
of Agriculture
Suchdol

(Map of the Campus
page 3 of the cover)



"Pension JAS"
(5 min walk
from the campus)

Bus stop
"Zemědělská univerzita"
147, 107



Praha

Bus to the
Airport

Airport Ruzyně



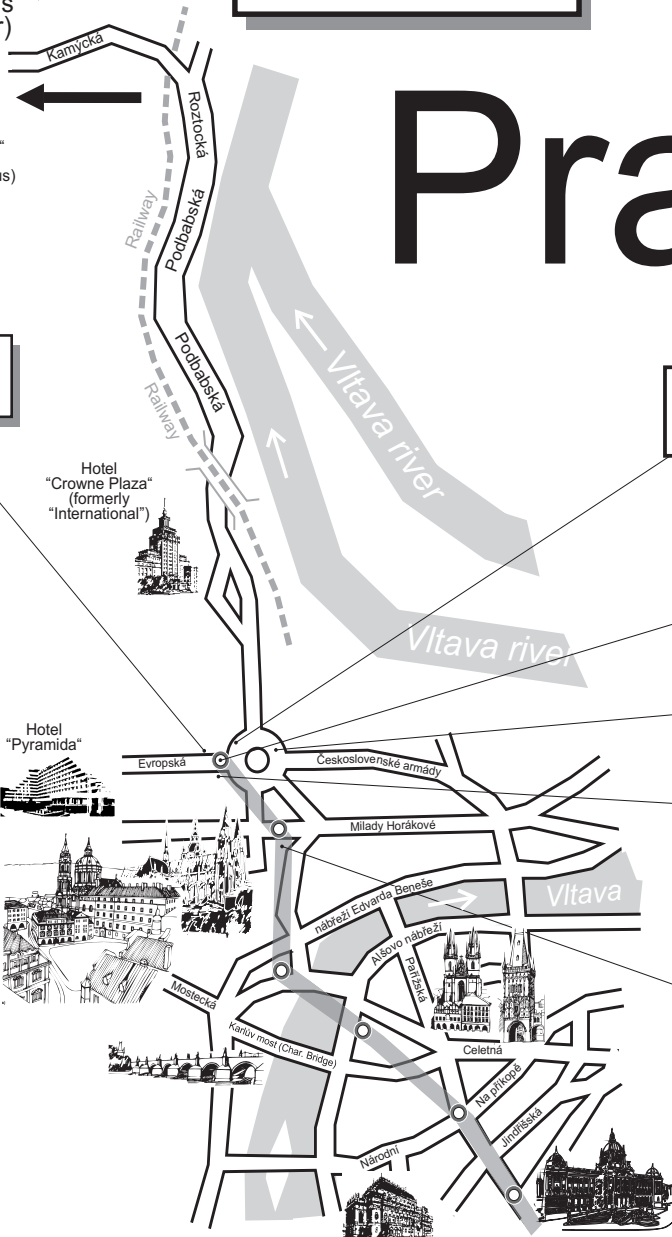
Bus to Suchdol
147, 107

Dejvická
("Metro")

Vítězné náměstí

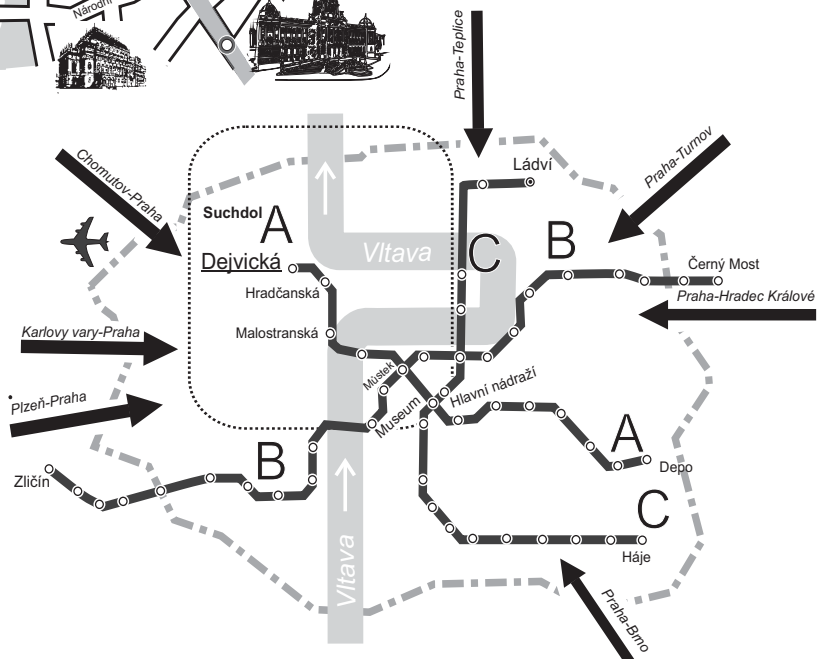
Bus from the
Airport

Underground
("Metro")
Line A

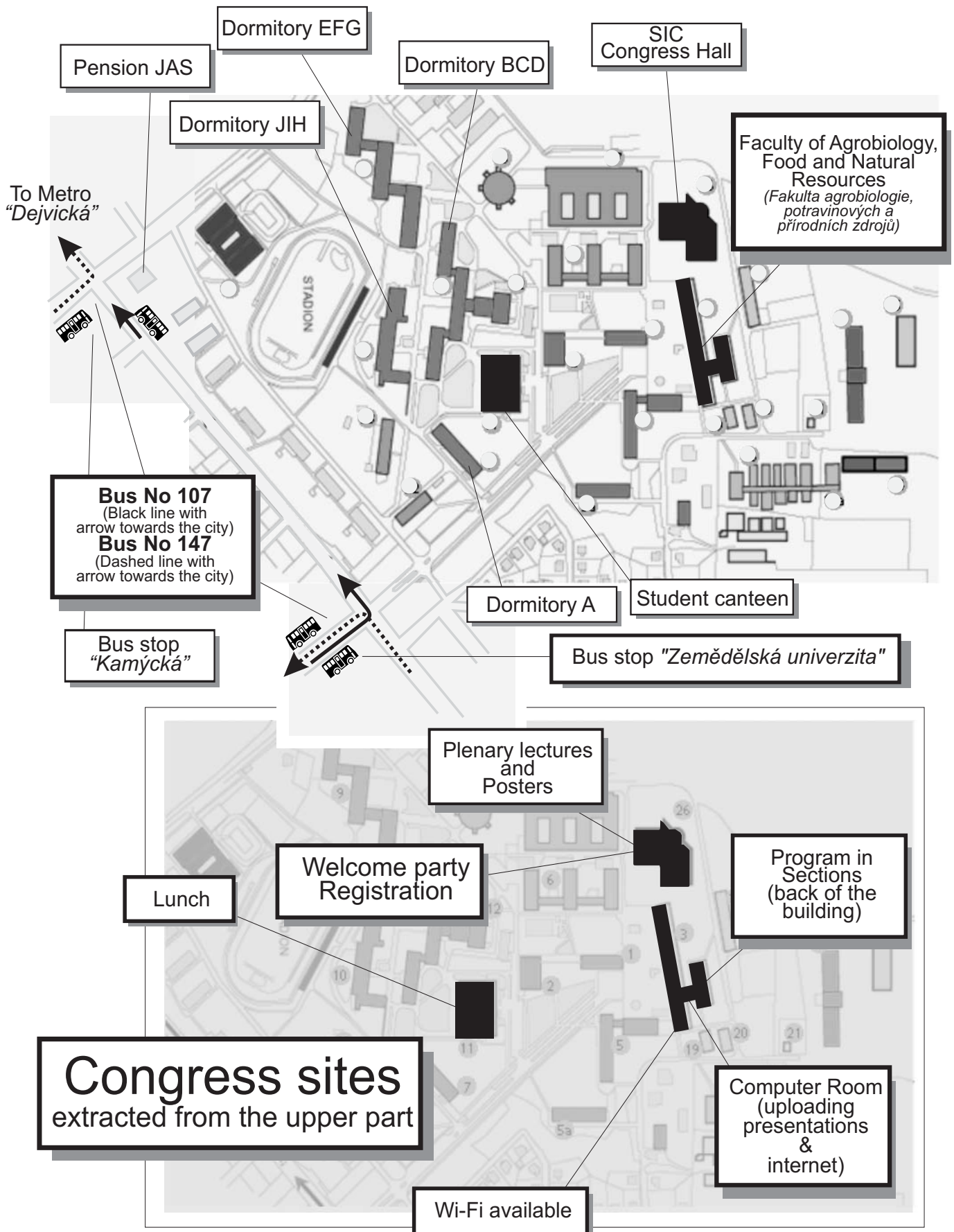


City traffic information
<http://www.dp-praha.cz/idos/>
For target station type
"Zemedelska univerzita"

Underground
("Metro")
City System



Campus of the Czech University of Agriculture (Česká zemědělská univerzita)



The 6th International Deer Biology Congress
Prague, Czech Republic
7-11 August 2006

Local Organizing Committee:

Luděk Bartoš (Chairman), Pavel Šustr (www pages), Radim Kotrba, Jitka Bartošová-Víchová, Radka Šárová (Excursions and Post-Congress tours), Jan Pluháček, Jorga Drábková, José L. A. Panamá, John Fletcher (FEDFA) + unlimited number of other helpers

Scientific Steering Committee:

Jo Anne Smith-Flueck (Chairperson; Argentina) Geoff Asher (New Zealand), George Bubenik (Canada), Norma Chapman (UK), Matthew Cronin (USA), John Fletcher (UK), Susana González (Uruguay), Jerry Haigh (Canada), Horst Kierdorf (Germany), Afifullah Khan (India), Karl Miller (USA), László Sugár (Hungary), Jimmy Suttie (New Zealand), Nicholas Tyler (Norway)

Congress Secretary:

Martin Ledvinka, Zuzana Štorchová, Marie Stehlíková, Michaela Kaplanová, Petra Holíková, Jiří Janiga, Jaroslava Janků
Unico Agric, Czech University of Agriculture Prague
Kamýcká 129
165 21 Praha 6 – Suchdol, Czech Republic

Congress Volunteers:

Markéta Antonínová, Nad'a AlHakimová, Pavla Hejmanová, Giovanni Ghersina, Karolína Kolářková, Renáta Kolovratová, Kristýna Neuhauserová, Kateřina Tomášová, Jana Holečková, Eva Jozífková, José L. A. Panamá

Sponsors:

Forests of the Czech Republic, state enterprise
Ministry of Agriculture
Toma Track
Czech Airlines - the official carrier
Czech University of Agriculture in Prague

Exhibitors

Lotek Wireless Inc.
Noldus Information Technology
Sirtrack LTD
TVP Positioning AB
VECTRONIC Aerospace GmbH
Nordic council for reindeer husbandry research (NOR)- non- profit organisation



MINISTERSTVO ZEMĚDĚLSTVÍ
 Těšnov 17, 117 05 Praha 1
 Tel: 221 811 111
 Fax: 224 810 478



Czech University of Agriculture in Prague

Sounds

Fallow deer groaning, Sika deer „roar“

Bedřich Smetana: Vltava (Moldau) of the symphony My Country

ISBN 80-86454-73-8

Registration and Welcome Party

The registration for the Congress **begins on Sunday, 6th August 2006, at 16:00 in the SIC Congress Hall** (for location see the 3rd page of the cover) and will continue throughout the evening. The Welcome party will be held in the same place - **the SIC Congress Hall, starting at 19:00.**

The members of the Congress Secretariat will be present at the registration desk during all official programme of the Congress. We will be pleased to answer your questions and solve your eventual problems with accommodation or additional programme of the Congress.

Congress fee

The congress fee includes admission to the plenary lectures, scientific presentations, workshops, poster sessions, Congress programme and book of Abstracts, refreshments during the Congress and the Welcome Party.

Delegate identification

Admission to the plenary lectures and the scientific presentations will be permitted only to those wearing the official Congress badge given at the registration desk.

Daily Program and Session Halls

The plenary lectures will take place in the **SIC Congress hall**. The parallel sessions will be run in three auditoria (Rooms AI., AII., and AIII.) of the **Faculty of Agrobiolology, Food and Natural Resources**, ground floor. Posters will be on continuous display in **SIC Congress hall** in the Upper Foyer.

Oral Presentations

We have organized a central timing system for all the three parallel sessions. The total time for a presentation is 20 minutes (followed by 3 minutes for changing rooms). After 13 minutes the first sound will indicate 2 minutes left, for both the speaker and for the chairman. After 15 minutes another audible signal indicates the end of the presentation. Five more minutes are allowed for further questions and discussion. When music starts, the time for changing rooms comes. Facilities for computer projection (PC only, Windows XP Professional, PowerPoint 2003), a 35-mm slide projector (circular carousels only) and an overhead projector will be available. Connecting your laptop to the dataprojector will be also possible.

Uploading the PowerPoint presentations

From any PC on the net (see **Computers, E-mail and Internet**, below) log in to the net:

User name/login name ("*Uživatelské jméno*") "**.idbc.af.czu.cz**"

(please do not overlook the dot at the beginning of the name)

Password ("*Zadejte heslo*") "**deer**".

An English speaking **Total Commander** will appear. Select **P:** and the directory with your session (directories labelled as the auditoria - i.e. Rooms AI., AII., AIII.). Find your section, rename and upload your file. The file should contain order within the section and name of the first author (e.g., "**1 Smith.ppt**") You will not be allowed to erase the file after uploading.

If you made any mistake, upload the file under another name (e.g., “**1 Smith 2.ppt**”) or ask for assistance.

You can upload your files also from the internet <http://prague.inczechia.cz/upload.php>.

It may look complicated, but it is not! Just try it. It's fun! Otherwise we will help you. To facilitate the technical procedures, we do encourage authors who have presentations on Monday to send it to idbc@af.czu.cz before the conference.

Poster Presentations

Every poster is on continuous display (**SIC Congress hall**, the Upper Foyer) for the duration of the congress, poster sessions refer to the time when authors should stay with their posters. The number of the poster corresponds to the number in the Proceedings. Assistance and equipment will be available; the poster size should not exceed 98 x 140 cm (ISO DIN A0, being 140 cm high).

Workshops

Three workshops (so far) will be organized according to Programme schedule:

- Deer managements, coordinator David Hewitt and Karl Miller, U.S.A. (KMILLER@smokey.forestry.uga.edu);
- Telemetry and analyses of GPS data, coordinator Stefano Focardi, Italy (stefano.focardi@infs.it)
- Huemul conservation working group meeting, coordinator Jo Anne Smith-Flueck, Argentina (joannesmith@baritel.com.ar).

TONY BUBENIK MEMORIAL AWARD

6th Tony Bubenik Memorial Award

The recipient of the 6th Tony Bubenik Memorial Award will be selected from candidates (younger than 35 yrs) presenting a lecture or a poster at the 6th International Deer Biology Congress to be held in August 2006 in Prague, Czech Republic. The award, established by Tony's family and friends consists of a memorial plaque, a monetary award of 300 US \$ and a signed print of Tony's painting of the mountain goat, called: "High in the sky". The criteria for selection are: 1) The originality of the research idea and the degree of innovation in the techniques used, 2) the excellence in evaluation of data obtained, 3) the clarity of presentation, and 4) the knowledgeable discussion of the results with the public. The winner will be selected by the panel of international scientists named at the meeting. The candidates for the award should indicate on their abstract that they want to be considered for the competition. **Please check at registration if you are marked as a candidate.**

George A. Bubenik, Chairman of the Selection Committee.

Computers, E-mail and Internet

Computer facilities with internet access are available at the **SIC Congress Hall**, ground floor, at the **Faculty of Agrobiolgy, Food and Natural Resources**, ground floor (just opposite to the auditoria – with a permanent assistance available) and No. 22 (in the from part of the building). Computers in the room No. 22 will be equipped with English speaking software. Good for checking the presentation! During the congress **Wi- Fi** connection will be available free of charge within the building of the Faculty. If asked for “WIFI PARAMETRES“, type: SSID: idbc, WEP key: abcdef1234.

Congress board

Announcements of the programme changes and additions will be communicated at the entrance of each lecture hall and at the Registration Desk.

Emergency call

In case of emergency and help contact a Congress secretary (phone + 420 774 241 303). Outside of the Congress the emergency number is 112.

Usefull Telephone Numbers

Congress Secretariat + 420 774 241 303 , + 420 224 383 430

Airport Prague-Ruzyně - information + 420 220 113 314, + 420 220 113 321

Train - information + 420 840 112 113, search for connection www.idos.cz

Main Bus Station – information + 420 900 144 444, search for connection www.idos.cz

AAA Taxi + 420 222 333 222, + 420 140 14

Meals

Coffee/tea with little refreshment and water during the coffee breaks will be available for the registered participants within the Faculty of Agrobiolgy, Food and Natural Resources in front of the auditoria AI., AII., AIII. The coffee/tea and water will be available during scientific programme all the morning. For lunch tickets and/or information about dinning around please contact the Registration Desk.

Shuttle bus

Shuttle bus from and to the hotels Krystal*** and Pyramida**** will operate each day of the Congress except Wednesday, 9 August 2006.

See the shuttlebus schedule in the reception of your hotel.

Date	Hotel Pyramida****	Hotel Krystal ***	From CUA, Student Canteen
<i>Monday 7th August</i>	7:15	7:35	Back to the hotels after the end of the scientific programme
<i>Tuesday 8th August</i>	8:00	8:20	
<i>Thursday, 10th August</i>	8:00	8:20	
<i>Friday 11th August</i>	7:45	8:05	

Social Programme

Welcome party

The Welcome party will begin on Sunday, 6th August 2006 in the SIC Congress Hall, starting at 19:00.

Farewell party

The farewell party will be held in Břevnov Monastery. This cloister was founded by St. Vojtěch and Duke Boleslav II in 993, and it is the oldest monastery in the Czech lands. The medieval character of this Benedict abbey was entirely suppressed by later modifications made between the years 1709 and 1720 under the direction of experienced architects of the era - Kryštof and Kilián Ignác Dienzenhoffer. The interiors are formed by well preserved baroque and classicist halls. We invite you to fully relish the atmosphere and listen to a concert of classical music in the Teresian Hall.

Date: Thursday, August 10th 2006

Departure: 19:15 from Student Canteen

19:30 departure from Hotel Pyramida****

19:30 from Hotel Krystal***

The price is 55 € or 1 650 CZK.

Lunches

Congress lunches will be **served in Student Canteen** in compliance with the Congress programme. The tickets for the Congress lunches are available at the registration desk. The price is 7 € or 210 CZK per lunch.

Arrival to Prague

GPS location

GPS location of the Czech University of Agriculture campus: N50 07.813 E14 22.389.

By plane

The Prague Airport is located approximately 10 km away from the city centre and 5 km from Czech University of Agriculture. Prague has international connections with all the main cities of Europe and other continents.

How to go from the airport to the place of the venue Czech University of Agriculture and to the accomodation:

The Prague Airport has two terminals, Terminal SEVER 1 and Terminal SEVER 2. In front of both terminals there is a bus stop - bus No. 119.

This line serves as a connection between airport and the citycentre. Please don't forget to buy a busticket for 20 CZK. Yellow ticketmachine are located at the airport and also on the stations. The busdriver can sell you the ticket as well. Go with the No. 119 to the last station "Dejvická".

Walk through the subway to a bustop of buses No. 107 and 147. Follow the signs showing the direction "Suchdol". Take bus No. 107 or 147 and get off at "Zemědělská univerzita". For those having accomodation at Dormitory and Pension JAS or going straight to Reception Desk. The huge board with the Congress logo will welcome you. The whole journey takes approximately 1 hour (see plan of Campus of the Czech University of Agriculture at last page of the cover).

From station "Dejvická" to the hotel Krystal take tram No. 20 or tram No. 26 to the tram stop "Nad Džbánem". To the hotel Pyramida from station „Dejvická“ take Bus No. 217 to the station "Pod Královkou" or No. 143 to the station "Malovanka", approx. 100 m from hotel or trams No. 22 or No. 23 to the tram stop "Malovanka".

The taxi to the Hotel Krystal, Pyramida and Dormitory cost around 500 CZK.

Transport in Prague

The organisers provide no transport service from the airport or Prague railway station. Participants are recommended to use the public transport in Prague, which offers a quality service.

The tickets for city public transport are easily to get in the ticket automates in the vestibule of metro or almost in each tobacconist in value of 14 CZK (valid for 15 minutes) or 20 CZK (valid for 75 minutes in case of changing the bus, metro lines). For validity the tickets must be endorsed at the entrance to metro and inside bus, tram immediately after getting on.

The public transport to the Czech Agriculture University is by bus lines n. 107 or 147 from the “metro” (i.e., underground/subway) station “Dejvická” on line A to the station “Zemědělská univerzita”. The easiest way to get there from the airport is by bus n. 119 to the final station (Dejvická) and there change to bus lines n. 107 or 147. Between 5 a.m. and 10 p.m. the buses leave from the airport building every 7 or 10 min. (a single ticket costs 20 CZK and it is valid for 75 minutes). Ticket machines are located on stations and by the tracks.

Information in English about public transport in Prague (including detailed schedules of the metro, tram and bus connections and an automatic search for connections) you can find on the web pages of “Dopravní podnik hl. m. Prahy” (<http://www.dp-praha.cz/idos/>).

Underground (Subway)

The Prague Metro network consists of 3 lines designated by letters and differentiated in colour: A-green colour: „Skalka” station - „Dejvická” station, B-yellow colour: „Černý most” station - „Zličín” station, C-red colour: „Ládví” station - „Háje” station, with transfers possible at „Muzeum” station (lines A and C), „Můstek” station (lines A and B), „Florenc” station (lines B and C). Metro operates daily from 5 a.m. to 12 p.m. The time interval between train departures is approximately 2 minutes during the workday rush hours and 4 to 10 minutes during off-peak hours. **The Metro last train departs at about midnight.**

Trams (Streetcars)

Daytime operation is from 4:30 a.m. to 12 p.m. Overnight operation is from 00:30 a.m. to 4:30 a.m. and is provided by trams number 51 to 58 with the intervals of 30 minutes. The central transfer location for overnight lines is „Lazarská” stop. Tram schedules are located at individual stops.

Buses

The daytime and overnight operation of buses is similar to the tram operation. Buses number 501 to 512 provide overnight service. Bus schedules are located at individual stops.

Taxi

For using taxi, participants are recommended to require a receipt from the taxi driver before the drive.

General informations

Electricity supply

In the Czech Republic, electricity is supplied at 230 V, 50 Hz. The EU standard 2 - pin connecting plug is different from that used in some other countries.

Disclaimer

The Organizing Committee and the Congress Secretary accept no liability for injuries or losses of whatever nature incurred by participants and/or accompanying persons, not for loss or damage to their luggage and/or personal belongings. We strongly encourage all the participants to take out the travel insurance.

Weather

In Prague is mild continental climate through all year. We can expect summer temperature rises to the 30 °C during days and drops to 15 °C during nights. Be prepared for scattered thunderstorms which are typical for this time of year. The post congress tours are located to mountain areas where weather is unpredictable and temperatures are approximately 10 °C lower than in Prague.

Parking

Free parking is available in the Campus of the Czech University of Agriculture. Parking in centre of Prague is problematic and expensive and we recommend to use public transport.

Smoking

Smoking is not permitted inside the University facilities, but outside are places reserved for smokers. According to the Czech law is not permitted to smoke at the bus, tram and metro stations.

Tchefts

In Prague, as in any other large City, beware of pickpockets and do not leave your valuables and belongings unattended. As a crossroad of nations, Prague has attracted expert pickpockets from many other countries. They are real experts! Otherwise, Prague is a quite safe city with low crime incidence.

Additional programme

The offer of excursions, programme for accompanying persons and Post Congress tours was, unfortunately, restricted due to low interest. Please, see the offer listed below or check the Congress board, whether your trip is organized or not. In case you are interested to participate in any trip, contact the registration desk.

Congress excursion	Date	Price per person
Prague Castle	9th August	22 € or 660 CZK
Golden City of Prague	9th August	32 € or 960 CZK
Kutná Hora, Žleby	9th August	50 € or 1 500 CZK

Prague Castle

Prague Castle is the historical seat of Czech rulers and present residence of the president. Among many architectural jewels of the Castle complex is the magnificent gothic church – St. Vitus cathedral, founded in 1344. Golden Lane, a row of tiny houses built in the Castle fortification, got its name after the alchemists, who, according to a legend, tried to make gold there. You will see also Royal Gardens, the monuments of Lesser Town and at the end, cross Charles Bridge to Old Town. Prague is listed in Unesco World Natural and Cultural Heritage Register.

Departure: **9:00 a.m. from Student Canteen**
 9:20 a.m. from Hotel Krystal***
 9:30 a.m. from Hotel Pyramida****

End of the excursion: approximately 14:00. The return to hotels is individual. Every participant will get a public transport ticket.

Cost per person: 22 € or 660 CZK – transport and the tour guided in English is included.

Golden City of Prague

The excursion Golden City of Prague will take through the historical part of the city, be guided in English and includes a lunch in the downtown. You will see Old Town Square - the heart of Old Town, St. Nicolas Church and famous Charles Bridge, full of craftsmen and musicians. On the other side of Vltava in Lesser Town is The Wallenstein Garden, an early baroque park and place to relax from the rush around. You will also walk the Royal Road, connecting the Prague Towns with the Castle. Prague is under the protection of UNESCO.

Departure: **9:00 a.m. from Student Canteen**
 9:20 a.m. from Hotel Krystal***
 9:30 a.m. from Hotel Pyramida****

End of the excursion: approximately 14:00. The return to hotels is individual. Every participant will get a public transport ticket.

Cost per person: 32 € or 960 CZK - transport, English guided tour and lunch in the downtown is included.

Kutná Hora, Žleby

At first, you will visit a game park near a small town Žleby. The park is well known for its herd of white red deer. You will have a chance to see the very inside of the park during a guided tour. The park also provides a shelter for handicapped animals and consequently offers a wide display of Czech fauna. As a bonus, you can watch a show with trained raptors. Before the bus will take you to Kutná Hora, a lunch will be served in local restaurant. During a sightseeing tour in Kutná Hora, guided by a Kutná Hora native, you will visit the curiously shaped gothic cathedral dedicated to St. Barbara.

Departure: **8:00 a.m. from Student Canteen**
 8:20 a.m. from Hotel Krystal***
 8:30 a.m. from Hotel Pyramida****

End of the excursion: approximately 17:00 p.m. Buses will take you to the Congress hotels.

Cost per person: 50 € or 1 500 CZK - transport, English guided tour and lunch is included.

Program for accompanying persons

We regret to announce the cancelation of all offered trips for very poor interest. In case you have a reservation for any of the mentioned excursions (Karlovy Vary, Karlštejn, Kladruba, Jewish Prague), please, contact the registration desk.

Postcongress Tours 12th – 13th August 2006

The Congress organizers invite you for a visit in the most interesting green parts of the Czech Republic. All tours will be held during the weekend, starting on Saturday the 12th and finishing on Sunday 13th.

The Tours include transport, accommodation and boarding. Those accommodated in Hotel Krystal*** and Hotel Pyramida**** should check out from the Hotel. The luggage can be delivered to the Post congress bus.

The Congress organizers reserve their right to make changes in the content of any tour.

Postcongress Tour	Date	Price per person
National Park Šumava	12th - 13th August	100 € or 3000 CZK
National Park Krkonoše	12th - 13th August	100 € or 3000 CZK

National Park Šumava

The National Park Šumava (NP) is situated in the south part of Czech Republic; along the state border with Federal Republic of Germany and Austria. With its area of 69.000 hectares, NP Šumava is the largest park in our country. Together with the neighbouring Bavarian Forest NP (in Germany) it forms the largest forest complex in central Europe.

Even so the park is located in densely inhabited central Europe, has a relatively high wildlife conservation and rich water resources. For this reason, NP Šumava is often called „Green Roof of Europe“ and its international significance is ever-increasing.

In the NP Šumava are found most of the highly valuable natural phenomena of Šumava Mountains, which require strict protection. Among others are worth mentioning glacial lakes, mountain and valley undulating grounds or remnants of primeval forest.

1st day – departure at 8:00 a.m. from the Student Canteen, at 8:30 from Hotel Krystal* and at 9:00 from Hotel Pyramida****;** after accommodation and lunch we will visit the winter deer enclosure, talk about the telemetry and about the projects running in the NP Šumava; dinner in the hotel.

2nd day – We will visit the central part of the NP Šumava – the area of the dead bark-beetle forest (Březník – Lužný). After lunch we will leave for Prague. **Arrival to Prague in the evening hours.**

Equipment: Even though the tour includes only a 10 kilometers hike please bring sturdy shoes and a raincoat or an anorak just in case.

Notice: There can be some programme changes due to the bad weather.

National Park Krkonoše

The National Park Krkonoše (NP) is a mountain national park located in the north part of the Czech Republic. The Giant Mts. (Krkonoše in Czech, Karkonosze in Polish) are the topmost range of the Sudetes, a chain of middle mountains along the border between the Czech Republic and Poland. In spite of their moderate altitude (the highest peak being Mt. Sněžka 1603 m a. s. l.), the Giant Mts. display two regions with a continuous alpine timberline, large arctic-alpine ecosystems, numerous avalanche tracks, and occasional landslides. On the summit plateaus, average annual temperatures range between 1° and 2°C, and average annual precipitation reaches 1450 mm. Continuous snow cover persists from November to the beginning of May, with a maximum snow depth observed in March or at the beginning of April. Mean snowpack thickness reaches values of about 1.8 m. Transport, accomodation and boarding will be provided.

1st day - departure at 8:00 a.m. from Student Canteen, at 8:30 a.m. from Hotel Krystal* and at 9:00 a.m. from Hotel Pyramida****;** arrival in Krkonoše, lunch, short introduction: basic facts about the Krkonoše NP. Excursion into a winter enclosure will follow and then a visit in the traditional small mountain dairy farm with testing of milk products; dinner in the hotel.

2nd day - Trip on the Sněžka Mountain (1602 m) – the highest mountain of the Czech Republic. Vegetation zonation in relation to altitude, as well as many arctic and alpine phenomena will be visible there. **Arrival at approximately 17:00.**

Alternative program in the case of unfavourable weather: Trip into Sklenářovice Mountain valley where ruins of abandoned village, damages caused by deer browsing, many types of mountain meadows and experiment with alternative grassland management will be visible.

Equipment: This trip takes you up a gradient of 1 000 m and demands hiking boots, appropriate clothes and small backpack.

Notice: There can be some programme changes due to the bad weather.

Time table:

Sunday 6th August

Registration (SIC) 16:00 onwards

Welcome party (SIC) 19:00

Monday 7th August

Scientific programme 8:00 to 17:30
(SIC plenary lectures, Faculty of Agrobiolgy, Food and Natural Resources programme in sections)

Tuesday 8th August

Scientific programme 8:45 to 17:30
(SIC plenary lectures, Faculty of Agrobiolgy, Food and Natural Resources programme in sections)

Wednesday 9th August

Excursions

Thursday 10th August

Scientific programme 8:45 to 18:00
(SIC plenary lectures, Faculty of Agrobiolgy, Food and Natural Resources programme in sections)

Farewell Party 20:00
Břevnov Monastery (departures see page 6)

Friday 11th August

Scientific programme 8:30 to 18:00
(SIC plenary lectures, Faculty of Agrobiolgy, Food and Natural Resources programme in sections)

Saturday 12th August and Sunday 13th August

Post -congress tours

8:00 - 8:45 *opening and organizational items*

8:45 *plenary lecture*
chair: J. A. Smith-Flueck



Geist V.

Priorities in Cervid conservation: Why science, zoogeography and history do matter. 1

9:45 - 10:05 *coffee break*

A I. DEER MANAGEMENT

chairs: B. Åhman, G. Dryden

- 10:0 ***Ferreira A. J. and Silva C.*** 8
5 Three years of roe deer (*Capreolus capreolus*) radio-tracking in a Mediterranean environment.
- 10:2 ***Szemethy L., Biró Zs., Katona K., Mátrai K., Orosz Sz. and Bleier N.*** 9
8 Seasonal home range shift of red deer in a forest-agriculture area, Hungary.
- 10:5 ***Beszterda P.*** 11
1 Population size and demographic variables of red deer in Bydgoszcz National Forest, central Poland.
- 11:1 ***Bobek B., Mamok T., Mikoś J., Rembacz W., Standio A., and*** 12
4 ***Wasilewski R.***
Management of red deer in Poland: field data versus official hunting statistic.

11:34 - 13:00 *lunch*

13:00 *plenary lecture*
chair: L. Sugár

Woodbury M. R. and Campbell J. R.

Emerging disease in wild and captive Cervids.

3

A I. DEER MANAGEMENT

chairs: B. Åhman, G. Dryden

- 14:05 ***MacMillan, D. C.*** 13
Over-abundance of deer: Is shooting the answer?
- 14:28 ***Olofsson A., Åhman B. and Danell Ö.*** 14
Slaughter records as a body condition indicator or reindeer - How can records be improved?
- 14:51 ***Haigh J. C. and Keay M. G.*** 15
The management of reindeer in the Mongolian Tsaatan culture.

Monday 7th August 2006
15:11-17:37



15:11 - 15:45 *coffee break*

A I. **DEER MANAGEMENT**

chairs: B. Åhman, G. Dryden

15:45	Åhman B. and Danell Ö.	16
	Can supplementary feeding improve productivity in reindeer husbandry?	
16:08	Åhman B. and Skuterud L.	17
	Twenty years of impact of the Chernobyl accident on reindeer management and meat production in Sweden and Norway.	
16:31	Davies M. H. and Chapple D. G.	18
	Economic sustainability of farmed venison production in the UK.	
16:54	Malins M. I.	19
	Public perception of deer management and control strategies.	



9:45 - 10:05 *coffee break*

A II. DISEASES OF DEER

chairs: J. Haigh, P. R. Wilson

- | | | |
|-------|---|----|
| 10:05 | Wilson P. R. | 48 |
| | Recent advances in health and welfare of farmed deer in New Zealand. | |
| 10:28 | Wilson P. R. | 49 |
| | Health and production challenges facing intensive deer farming industries. | |
| 10:51 | Tedford C. | 50 |
| | Chronic wasting disease in North America - A deer farmer's perspective. | |
| 11:14 | Maxwell C. | 51 |
| | Chronic wasting disease in Canadian wildlife: An expert opinion on the epidemiology and risks to wild deer. | |

11:34 - 13:00 *lunch*

A II. DISEASES OF DEER

chairs: J. Haigh, P. R. Wilson

- | | | |
|-------|--|----|
| 14:05 | Mackintosh C. G., Griffin J. F. T. and de Lisle G. W. | 53 |
| | Johne's disease in farmed deer in New Zealand. | |
| 14:28 | Glossop J. C., Wilson P. R., Heuer C. and Nugent G. | 52 |
| | Epidemiological investigations of Johne's disease in deer. | |
| 14:51 | Mackintosh C. G., Thompson J. F. T., Griffin J. F. T. and de Lisle G. W. | 54 |
| | Insights into the pathogenesis of Johne's disease in red deer (<i>Cervus elaphus</i>). | |

Monday 7th August 2006

15:11-17:37



15:11 - 15:45 *coffee break*

A II. DISEASES OF DEER

chairs: J. Haigh, P. R. Wilson

- 15:45 **Ayanegui-Alcérreca M. A., Wilson P. R., Heuer C., Collins-Emerson J. M., Mackintosh C. G., Midwinter A. C. and Castillo-Alcala F.** 56
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- 16:08 **Ayanegui-Alcérreca M. A., Wilson P. R., Mackintosh C. G., Collins-Emerson J. M., Heuer C., Midwinter A. C., and Castillo-Alcala F.** 57
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- 16:31 **Castillo-Alcala F., Wilson P. R., Pomroy W. E. and Hoskin S. O.** 58
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- 16:54 **Sugár L., Kovács Sz. and Kovács A.** 59
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- 17:17 **S. O. Hoskin, W. E. Pomroy, P. R. Wilson, M. Ondris, and P. Mason** 55
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9:45 - 10:05 *coffee break*

A III. REPRODUCTION

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- 10:05 **Gizejewski Z., Szafranska B., Steplewski Z., Panasiewicz G. and Koprowski H.** 100
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- 10:28 **Frey R., Gebler A., Fritsch G., Nygrén K. and Weissengruber G. E.** 101
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- 10:51 **DeYoung R. W., Gee K. L., Demarais S., Honeycutt R. L. and Gonzales R. A.** 102
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- 11:14 **Harrison W. M., Moore I. A., Draisma M. and Moore G. I.** 103
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11:34 - 13:00 *lunch*

A III. REPRODUCTION

chairs: Z. Gizejewski, R. W. DeYoung

- 14:05 **Imperio S., Focardi S., Ronchi F. and De Marinis A.** 104
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- 14:28 **Hewitt D. G. and Monaco E. L.** 105
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- 14:51 **Muller L. I., Adams K. A., Conner M. C. and Bowman J. L.** 106
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15:11 - 15:45 *coffee break*

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- 16:08 ***Ciuti S., Luccarini S. and Apollonio M.*** 115
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- 16:31 ***Grignolio S., Bongì P., Ciuti S., Bertolotto E. and Apollonio M.*** 116
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- 16:54 ***Bartošová-Víchová J., Bartoš L. and Švecová L.*** 117
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- 17:17 ***Dušek A. and Bartoš L.*** 118
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8:45 *plenary lecture*

chair: S. Gonzáles

McShea W. J.

Conservation of tropical deer: What does the future hold?

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9:45 - 10:05 *coffee break*

10:05 *Group photo of all participants*

A I. **DEER MANAGEMENT**

chairs: J. Borkowski, W. J. McShea

- 10:28 **Hoskin S. O., Wilson P. R., Ondris M. and Bunod A.-H.** 21
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- 10:51 **Katona K., Szemethy L., Mátrai K., Bleier N. and Orosz Sz** 23
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- 11:14 **Kamler J., Homolka M., Heroldová M., Barančková M. and Prokešová J.** 24
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11:34 - 13:00 *lunch*

13:00 *plenary lecture*

chair: L. Bartoš

Bubenik G. A.

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A I. **DEER MANAGEMENT**

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- 14:05 **Borkowski J. and Nasiadka P.** 25
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- 14:28 **Ferreira A. J. and Oliveira A. M.** 26
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- 14:51 **Tremblay J.-P., Solberg E., Saether B.-E. and Heim M.** 27
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- 10:28 **Haigh J. C., Keay M. G., Gerwing V., Erdenbaatar J. and Nansalmaa M.** 60
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- 10:51 **Richter H., Richards A. and Kierdorf H.** 61
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- 11:14 **Castillo-Alcala F., Wilson P. R. and Grace N. D.** 62
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11:34 - 13:00 *lunch*

A II. DISEASES OF DEER

chairs: S. O. Hoskin, D. Konjević

- 14:05 **Wilson P. R., Castillo-Alcala F. and Grace N. D.** 63
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- 14:28 **Sugár L., Kovács Sz. and Kovács A.** 64
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chair: M. Liouville

- 14:51 **Liouville M., Valensi P. and Psathi E.** 195
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15:11 - 15:45 *coffee break*

Tuesday 8th August 2006

15:45-18:00



A II. **FEEDING ECOLOGY**

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- 16:08 **Nuñez A. M.** 180
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- 16:31 **Merta D. and Kumór K.** 181
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- 16:54 **Heroldová M., Homolka M., Kamler J., Ghezzi C., Redaelli W., Andreoli E. and Mattiello S.** 200
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- 17:17 **Dryden G. M. and Whelan K. J.** 20
Preferences of red deer for subtropical pasture species.

SIC

- 18:00 **Workshop Huemul conservation working group meeting (coordinator: J. A. Smith-Flueck, Argentina)**



A III. BEHAVIOUR AND WELFARE

chairs: M. Apollonio, W. Arnold

- 10:28 **Saltz D. and Bar-David S.** 113
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- 10:51 **Bartošová-Víchová J., Bartoš L., Drábková J., Švecová L., Pluháček J., Kotrba R. and Dušek A.** 119
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- 11:14 **Lingle S., Wilson W. F. and Pellis S. M.** 120
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- 11:34 - 13:00 *lunch*

A III. BEHAVIOUR AND WELFARE

chairs: M. Apollonio, W. Arnold

- 14:05 **Lingle S., Rendall D. and Pellis S. M.** 121
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- 14:28 **Kotrba R., Bartoš L., Bartošová-Víchová J., Panamá J., Kšáda V., Šustr P., Pluháček J., Dušek A., Vaňková-Formanová D., Illmann G., Šmídová E. and Miller K. V.** 122
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- 14:51 **Fričová B., Bartoš L., Bartošová-Víchová J., Panamá J., Šustr P. and Šmídová E.** 123
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15:11 - 15:45 *coffee break*

Tuesday 8th August 2006

15:45-18:00



A III. **BEHAVIOUR AND WELFARE**

chairs: M. Apollonio, W. Arnold

- 15:45 *Šustr P. and Jirsa A.* 124
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- 16:08 *Carranza J., Mateos C., Alarcos S., Sánchez-Prieto C. B. and Valencia J.* 125
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A III. **SEASONAL AND NON-SEASONAL DEER: ARCTIC TO TROPIC**

chairs: S. Find'o, W. Suter

- 16:31 *Find'o S., Bučko J. and Steyaert S.* 184
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- 16:54 *Zweifel-Schielly B. and Suter W.* 185
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- 17:17 *van Oort B. E. H., Tyler N. J. C., Gerkema M. P., Folkow L. and Stokkan K. A.* 186
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- 17:40 *Balfanz F., Beiglböck C., Huber S., Palme R. and Arnold W.* 153
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- 18:00 *Workshop* Huemul conservation working group meeting (coordinator: J. A. Smith-Flueck, Argentina)

8:45 *plenary lecture*

chair: H. Kierdorf

Li C. and Suttie J. M.

Recent progress in antler regeneration and stem cell research



9:45 - 10:05 *coffee break*

A I. **MANAGEMENT OF ENDANGERED DEER**

chairs: R. Gill, Yan-Ling Song

- 10:05 ***Khan J. A. and Kaleem A.*** 86
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- 10:28 ***Chen M. and Zhang E.*** 94
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- 10:51 ***Zhang M., Jiang G., and Ma J.*** 95
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- 11:14 ***Locatelli Y., Vallet J.-C., Legendre X. and Mermillod P.*** 96
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11:34 - 13:00 *lunch*

SIC

13:00 - 14:00 ***poster session I.***
28 - 47, 65 - 70, 77 - 85, 97 - 99, 201 (see page 36)

A I.

14:05 - 16:00 ***workshop I***
Deer Management (coordinator: David Hewitt, Karl Miller, USA)

16:00 - 16:15 *coffee break*

16:15 - 18:00 ***workshop***
Deer Management (coordinator: David Hewitt, Karl Miller, USA)

Friday 11th August 2006

8:30-15:11



8:30 *plenary lecture*

chair: N. Tyler

Forchhammer M. C.

Deer response to global environmental changes.

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9:45 - 10:05 *coffee break*

9:50 - 10:45 *poster session II.*

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A I. **MANAGEMENT OF ENDANGERED DEER**

chairs: R. Gill, Yan-Ling Song

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13:00 *plenary lecture*

chair: N. G. Chapman

Apollonio M.

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A I. **MANAGEMENT OF ENDANGERED DEER**

chairs: R. Gill, Yan-Ling Song

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chairs: R. Andersen, B. Bobek

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A II. **GENETICS AND EVOLUTION**

chairs: S. M. Carr, K. Rød

- 10:05 ***Perez-Espona S., McLeod J., Perez-Barberia F. J., Jiggins C., Gordon I. and Pemberton J.*** 71
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- 10:28 ***Duarte J. M. B., Gonzalez S. and Maldonado J. E.*** 199
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- 10:51 ***Haanes H., Rød K. H. and Rosef O.*** 72
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- 11:14 ***Carr S. M., Richards E. D., Marshall H. D. and Smith-Flueck J.*** 74
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11:34 - 13:00 *lunch*

SIC

13:00 - 14:00 *poster session I.*
28 - 47, 65 - 70, 77 - 85, 97 - 99, 201 (see page 36)

A II.

14:05 - 16:00 *workshop 2*
Telemetry and analyses of GPS data (coordinator: Stefano Focardi, Italy)

Friday 11th August 2006

8:30-15:11



A II. **GENETICS AND EVOLUTION**

chairs: S. M. Carr, K. Rød

- 10:51 **Rød K. H., Haigh J. C., Gerwing V. and Keay M.** 75
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- 11:14 **González S., Cosse M., Raimondi V. , Merino M. L., Galvan B. and Maldonado J. E.** 76
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11:34 - 13:00 *lunch*

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chairs: M. C. Forchhammer, W. Flueck

- 14:05 **Barrio J.** 152
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- 14:28 **Smith-Flueck J. M. and Flueck W. T.** 154
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- 14:51 **Said S., Pellerin M., Le Corre M., Widmer O. and van Laere G.** 155
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A III. **ANTLER BIOLOGY**

chairs: G. A. Bubenik, U. Kierdorf

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- 10:28 **Napp J., Wiese K. G., Kierdorf U., Kierdorf H., Seymour N., Schliephake H., and Rolf H. J.** 142
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- 10:51 **Mount J. G., Muzylak M., Allen S., Okushima S., Althnaian T., McGonnell I. M. and Price J. S.** 141
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- 11:14 **Audenaerde P. M. F. and Simoens P. J. M.** 115
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11:34 - 13:00 *lunch*

SIC

13:00 - 14:00 *poster session I.*
28 - 47, 65 - 70, 77 - 85, 97 - 99, 201 (see page 36)

Friday 11th August 2006

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A III. **ANTLER BIOLOGY**

chairs: Ch. Li, H. Rolf

- 10:51 **Rolf H. J., Wiese K. G., Bubenik G. A., Bartoš L., Kotrba R., Lütjens I. and Schliephake H.** 143
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- 11:14 **Bartoš L., Schams D., Šiler J., Losos S. and Bubenik G. A.** 144
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11:34 - 13:00 *lunch*

A III. **ANTLER BIOLOGY**

chairs: Ch. Li, H. Rolf

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- 14:28 **Caboni A., Murgia C. and Mattioli S.** 117
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- 14:51 **Landete-Castillejos T., Estevez J. A., Garcia A. J., Ceacero F., Gaspar-López E., Carrión D. and Gallego L.** 148
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A I. **CENSUSING AND MODELLING POPULATIONS**

chairs: R. Andersen, B. Bobek

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- 16:08 ***Tappe P. A. and Kissell Jr. R. E.*** 130
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- 16:31 ***Daniels M. J.*** 131
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- 16:54 ***Morales J. M.*** 132
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- 17:17 ***Takahashi H. and Kaji K.*** 134
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- A I.*
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- 15:45 **Miller B. F., DeYoung R. W., Campbell T. A., Laseter B. R., Ford W. M. and Miller K. V.** 163
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- 16:08 **D'Angelo G. J., D'Angelo J. G., Gallagher G. R., Osborn D. A., Miller K. V. and Warren R. J.** 164
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- 16:54 **Tremblay J.-P., Huot J. and Potvin F.** 166
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- 17:17 **Suominen O., Persson I. L. and Saikkonen T.** 167
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No.

DEER MANAGEMENT

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| 29 | A. Buenrostro, S. Gallina, and G. Sánchez-Roja | Sexual segregation and differences in quality of diet in white-tailed deer (<i>Odocoileus virginianus mexicanus</i>) in a tropical dry forest in Mexico. | 2 |
| 30 | B. Dmuchowski, M. Snochowski, and A. Krzywiński | Sex comparison of linear body measures of growing red deer calves (<i>Cervus elaphus hippelaphus</i>). | 3 |
| 31 | B. Dmuchowski, J. Starz, A. Demiaszkiewicz, and R. Niżnikowski | The influence of management system of farmed fallow deer (<i>Dama dama</i>) on selected production traits during winter season. | 4 |
| 32 | J. Bello, S. Gallina, M. Equihua, and N. Corona | Deer home range overlap and habitat heterogeneity in Northeastern Mexico. | 5 |
| 33 | Zs. Biró, L. Szemethy, and K. Katona | Influence of ranging strategy on home range size: red deer hinds in a forest-agriculture habitat. | 6 |
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| 36 | J. Prokešová, M. Barančeková, and M. Homolka | Importance of floodplain forest for deer management. | 9 |
| 37 | G. M. Pisani, M. Malacarne, C. S. Soffiantini, P. Franceschi, P. Formaggioni, E. Piasentier, A. Summer, and P. Mariani | Gross composition and protein fractions of milk from fallow deer (<i>Dama dama</i>). | 10 |
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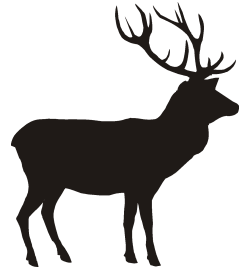
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