ISA 2013

THE 6th CONFERENCE
of the
INTERNATIONAL SEABUCKTHORN
ASSOCIATION
Potsdam 2013

SBT – a fresh look at
Technology, health and environment
October 14th – 17th, 2013
Potsdam, Germany

Program

A conference of the
International Seabuckthorn Association, Beijing
Organized by
German Society for Seabuckthorn and Wild Fruits Berlin
Humboldt-University, Berlin, Faculty of Agriculture and Horticulture
General program and events

<table>
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<tr>
<th>Sunday, October 13th</th>
<th>4 p.m. - 7 p.m.</th>
<th>Registration in Mercure hotel lobby hall</th>
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<td></td>
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<td>Come together at Mercure hotel lobby hall</td>
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<table>
<thead>
<tr>
<th>Monday 14th</th>
<th>10:00</th>
<th>Opening Ceremony</th>
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<tr>
<td></td>
<td>19:00</td>
<td>Meeting of ISA board (in Mercure hotel)</td>
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| Monday 14th until Wednesday 16th | All day. | Conference lectures, poster session, exhibition |

| Tuesday, October 15th | 7 p.m. | Official conference banquet and reception (in Mercure hotel) |

| Thursday, October 17th | starting in front of Mercure hotel |

Technical tours – two possible options, 9:00 a.m., as you booked

<table>
<thead>
<tr>
<th>Focussed on Agriculture and agro technique</th>
<th>Potsdam town tour (short look on the town followed by visit to federal agency for brands (plantation and fields), Plantation in village Quellendorf - plantation and harvesting technology, Christine Berger GmbH, Petzow – Products and marketing of SBT</th>
</tr>
</thead>
<tbody>
<tr>
<td>focussed on technology</td>
<td>Potsdam town tour (short look on the town) followed by visit to processing plant in Herzberg and Christine Berger GmbH, Petzow – Products and marketing of SBT</td>
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</table>

| Friday, October 18th | after conference tours - starting in front of Mercure hotel |

Trips to Sites of World Heritage, two possible options as you booked *

| Mecklenburg-Vorpommern (north east Germany) | visit to Ludwigslust castle - Sanddorn Storchennest Ludwigslust (SBT company) - state research station on agriculture in Guelzow (SBT variety testing and research) - visit to Guestrow town and heritage Hotel 1 night in Guestrow visit to Darss half island - natural reserve - SBT plantation and SBT specialities shops there - visit to Stralsund town - back on Saturday evening to Potsdam |

*A limited number of tickets is still available*
<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>10:00</td>
<td>Opening ceremony</td>
<td></td>
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<tr>
<td>11:00</td>
<td>Coffee break</td>
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<tr>
<td>11:30</td>
<td>Coffee break</td>
<td></td>
<td></td>
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<tr>
<td>11:30</td>
<td><strong>Keynote lecture</strong></td>
<td>Kallio, Heikki</td>
<td>Health Effects of Sea Buckthorn Berries; Research and Strategies at the University of Turku, Finland.</td>
</tr>
<tr>
<td>12:00</td>
<td><strong>Morning session</strong></td>
<td>Chairmen Prof. Lu Rongsen, Prof. Virendra Singh</td>
<td>Noon session Chairmen Prof. Lu Rongsen, Prof. Virendra Singh</td>
</tr>
<tr>
<td>12:00</td>
<td>Batool, Farhat</td>
<td></td>
<td>oral administration of sea buckthorn fruit extract attenuates restraint-induced behavioral deficits and hypothalamic serotonergic responses in rats: evidence for an antidepressant-like effects</td>
</tr>
<tr>
<td>12:00</td>
<td>Yang, Baoru</td>
<td></td>
<td>Effect sea buckthorn juice and L-quebrachiton on glucose metabolism in db/db mice</td>
</tr>
<tr>
<td>12:00</td>
<td>Tyagi, Somprakash</td>
<td></td>
<td>Combination therapy of Seabuckthorn seed oil and other ulcer healing medicines for gastric ulcers and erosions in dogs</td>
</tr>
<tr>
<td>13:00</td>
<td>Luncheon break</td>
<td></td>
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<tr>
<td>14:00</td>
<td>Coffee break</td>
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<tr>
<td>14:00</td>
<td><strong>Afternoon session</strong></td>
<td>Chairmen Prof. Kallio, Dr. Demidova</td>
<td>Noon session Chairmen Prof. Kallio, Dr. Demidova</td>
</tr>
<tr>
<td>14:00</td>
<td>Attrey, Dharam Paul</td>
<td></td>
<td>Efficacy studies of Seabuckthorn based nutraceutical formulation on cognitive functions of healthy human subjects</td>
</tr>
<tr>
<td>14:00</td>
<td>Vihaj, Sharma</td>
<td></td>
<td>Effect of feeding seabuckthorn Frauit residue for efficient animals production</td>
</tr>
<tr>
<td>14:00</td>
<td>Sharma, Mandeep</td>
<td></td>
<td>Comparative antimicrobial properties of three landraces of seabuckthorn (Hippophae L.) found in India</td>
</tr>
<tr>
<td>14:00</td>
<td>Chahota, Rajesh</td>
<td></td>
<td>Studies on antibacterial activities of seabuckthorn (Hippophae L.) leaf extracts against methicillin resistant Staphylococcus aureus (MRSA) field strains.</td>
</tr>
<tr>
<td>14:00</td>
<td>Pecenka, Ralf</td>
<td></td>
<td>Harvester and first processing of Seabuckthorn</td>
</tr>
<tr>
<td>15:45</td>
<td>Coffee break</td>
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<tr>
<td>16:15</td>
<td>Heilscher, Karl</td>
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<td>Bioactive health properties focusing bioprocessing</td>
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<tr>
<td>16:15</td>
<td>Larmo, Petra</td>
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<td>Sea buckthorn oil for vision and mucous membranes – a review</td>
</tr>
<tr>
<td>16:15</td>
<td>Kukhorenko, Tatiana</td>
<td></td>
<td>Experiences with a new Seabuckthorn berries processing technology</td>
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<tr>
<td>16:15</td>
<td>Utioh, Alphonsus</td>
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<td>Seabuckthorn Technology</td>
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<tr>
<td>19:00</td>
<td>Meeting of the ISA board</td>
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Attention – all presenters of the day are requested to visit call room before morning session 9:00-10:00 to check ppt files and presence.
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<thead>
<tr>
<th>Time</th>
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<th>Title</th>
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<tbody>
<tr>
<td>9:00</td>
<td>9:30</td>
<td>Awards of the ISA ceremony</td>
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<tr>
<td>9:30</td>
<td>13:00</td>
<td>Morning session Chairmen Prof. Ravi Gupta, Prof. Yang Baoru</td>
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<tr>
<td>09:00</td>
<td></td>
<td>Wähling, Axel Investigation of leaves from German varieties</td>
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<td></td>
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<td>Mörsel, Jörg-Thomas Differences in SBT between Russian and German varieties</td>
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<td>Rumpunen, Kimmo Changes in content of major phenols during leaf development of sea buckthorn</td>
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<td></td>
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<td>Munkhbayar, D. Some Phytochemical results of fresh Sea buckthorn (Hippophae rhamnoides. Proteomic analysis to decipher cold traits in seabuckthorn expected</td>
</tr>
<tr>
<td>10:30</td>
<td></td>
<td>Coffee break</td>
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<tr>
<td>11:00</td>
<td></td>
<td>Skuridin, Gennady Trace elements of sea-buckthorn tissues</td>
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<td></td>
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<td>Banerji, Asoke relating bioactives with isolated compounds in Indian seabuckthorn</td>
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<tr>
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<td>Ravi, Gupta Proteomic analysis to decipher cold traits in seabuckthorn expected</td>
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<td>Rumpunen, Kimmo Sweet sea buckthorn (Hippophae rhamnoides L.) – a most realistic breeding goal!</td>
</tr>
<tr>
<td>12:30</td>
<td></td>
<td>Luncheon break</td>
</tr>
<tr>
<td>13:30</td>
<td>16:30</td>
<td>Afternoon session Chairmen Prof. Asoke Banerji, Dr. Kimmo Rumpunen</td>
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<tr>
<td>13:30</td>
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<td>Seglina, Dalija Patulin in the sea buckthorn products ready to drink: Preliminary study</td>
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<td>He, Maojun Study on External Anti-oxidation of Seabuckthorn Fruit Powder</td>
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<td>Zvaigzne, Galina Health promoting chemical components in Seabuckthorn and Orange mix beverage</td>
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<td>Galitsyn, George devoted to content of serotonin in sea buckthorn</td>
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<td>Na, Hu Identification and determination of Fatty Acids from Hippophae rhamnoides L. by a Novel Pre-column Fluorescence Labelling Method Using HPLC-FLD</td>
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<td>McMullin, Bruce What is happening in the USA with Sea Buckthorn. The USSA - United States Sea Buckthorn Association.</td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td>Coffee break</td>
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<tr>
<td>16:00</td>
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<td>Round table discussion under the organisation of ISA administration</td>
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<tr>
<td>19:00</td>
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<td>Conference dinner</td>
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Attention – all presenter of the day are requested to visit call room before morning session 8:00-9:00 to check ppt files and presence
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairman(s)</th>
<th>Presenters</th>
<th>Topics</th>
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</thead>
</table>
| 9:00  | Morning session  | Dr. Moersel, Dr. Lundquist | **09:00**
|       |                  |                      | Zubarev, Yury                                     | **keynote lecture** Improvement of sbt propagation technology            |
|       |                  |                      | Schroeder, William                               | Characterization of Canadian Grown Sea Buckthorn Cultivars             |
|       |                  |                      | Jensen, Kirsten                                  | Biological treatment of Verticillium and inoculation with nitrogen-binding bacteria in Sea Buckthorn orchards in Sweden. |
|       |                  |                      | Singh, Virendra                                   | New findings on morphological variations and co-relationships of characteristics among various natural populations of seabuckthorn (Hippophae L.) growing in 5 districts of Himachal Pradesh |
| 10:30 | Coffee break     |                      |                                                |                                                                        |
| 11:00 | Afternoon session| Dr. Yury Zubarev, Dr. Seglinas | **11:00**
|       |                  |                      | Höhne, Friedrich                                 | Influence of irrigation and fertilization on yield and ingredients of Seabuckthorn variety Habego |
|       |                  |                      | Kauppinen, Sanna                                 | Sea buckthorn variety trials in Finland                                |
|       |                  |                      | Moskaliuk, Tatiana                               | Naturalization of Hippophae rhamnoides L. on the Russian Far Eastexpected |
|       |                  |                      | Kolovos, Stratos                                 | Pest control in SBT fly                                               |
|       |                  |                      | Demidova, Natalia                                | Sea buckthorn research in the Central and Northern Russia              |
| 12:30 | Luncheon break   |                      |                                                |                                                                        |
| 13:30 | Afternoon session| Dr. Yury Zubarev, Dr. Seglinas | **13:30**
|       |                  |                      | Lundquist, Per-Olof                              | Growth and development of seabuckthorn.                                 |
|       |                  |                      | Shalkevich, Maryna                               | Results of Seabuckthorn Growing at the Institute for Fruit Growing    |
|       |                  |                      | Pokharel, Youba Raj                              | Dendrochronological Potential of Hippophae tibetana from Nepal Himalaya|
|       |                  |                      | Höhne Friedrich                                  | Verticillium infection of sea buckthorn – variety susceptibility and diagnosis |
| 15:15 |                  |                      |                                                |                                                                        |
|       |                  |                      | Zhang, Jike                                      | A new method of Propagation Seabuckthorn Saplings                      |
|       |                  |                      | Du Junhua                                        | Review of the way for discriminating between female and male individuals on the genus Hippophae (Elaeagnaceae) |
|       |                  |                      | Demidova, Natalia                                | The potentials and challenges of introducing Hippophae rhamnoides L. to East African Tropical Highlands |
| 16:00 | Closing ceremony |                      |                                                |                                                                        |

Attention – all presenter of the day are requested to visit call room before morning session 8:00-9:00 to check ppt files and presence
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<tr>
<th>Poster No*</th>
<th>Name</th>
<th>Theme of Poster</th>
<th>Session**</th>
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<td>1.</td>
<td>Singh Amrit</td>
<td>Acute &amp; sub-acute toxicity studies of pharmacologically active Seabuckthorn extract Expected</td>
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<td>2.</td>
<td>Olander Sven</td>
<td>Mechanical harvesting of Seabuckthorn</td>
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<td>3.</td>
<td>Proorocu Angel</td>
<td>A seabuckthornology handbook for a new global agricultural information and practice circuit</td>
<td>1</td>
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<td>4.</td>
<td>Emil Roman</td>
<td>Sea-buckthorn fruits processing</td>
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<td>5.</td>
<td>Chimed Ochir</td>
<td>The research results on Sea buckthorn juice clarification by electro flotation method</td>
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<td>6.</td>
<td>Kuzmina Arina</td>
<td>Selective Estimation Of Sea Buckthorn Hybrids By Periods Of Florecense And Fruits Ripening</td>
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<td>7.</td>
<td>Kolpakov Vadim</td>
<td>Experiences with a new Seabuckthorn berries processing technology</td>
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<tr>
<td>8.</td>
<td>Skuridin Gennady</td>
<td>The new wasteless way of fresh sea-buckthorn processing</td>
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<tr>
<td>10.</td>
<td>Handique Pratap Jyoti</td>
<td>Hippophae resources in North East India and their status and indigenous utilization.</td>
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<tr>
<td>11.</td>
<td>Viorel Rati Ioan</td>
<td>Phenotypic and genetic characterization of some Romanian sea buckthorn varieties</td>
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<td>12.</td>
<td>Sinha Swapan Kumar</td>
<td>Hippophae salicifolia D. Don : a multipurpose plant resource for rural livelihood in wet Himalayas of Arunachal Pradesh, India</td>
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<tr>
<td>13.</td>
<td>Dwivedi Sanjai K.</td>
<td>Strategies for Scientific Propagation of Seabuckthorn( Hippophae spp) in India</td>
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<td>14.</td>
<td>Toivo Univer</td>
<td>The Results of Harvesting the Berries of Common Sea Buckthorn in Estonia</td>
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<td>15.</td>
<td>Dhaliwal Yadwinder Singh</td>
<td>Methodology for preparation and evaluation of seabuckthorn tea prepared from leaves enrich in nutrients and bioactive substances</td>
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<tr>
<td>16.</td>
<td>Avdai Chilhaajav</td>
<td>Experimental research on establishment of main parameters of mechanized of harvesting Sea-buckthorn berries</td>
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<tr>
<td>17.</td>
<td>Hellstroem Jarkko</td>
<td>Sea buckthorn leaves and stems – processing waste rich in various phytochemicals</td>
<td>4</td>
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<tr>
<td>18.</td>
<td>You-Rui Suo</td>
<td>Protective Effects of Qinghai Plateau Seabuckthorn(Hippophaea rhamnoides L.) Seed Oil Against CCl4-induced Hepatic Injury in Mice</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Authors</td>
<td>Title</td>
<td>Pages</td>
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<tr>
<td>20.</td>
<td>You-Rui Suo</td>
<td>Study on optimal extraction and physicochemical properties of polysaccharides fractions from Qinghai Plateau Sea buckthorn</td>
<td>5</td>
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<td>21.</td>
<td>You-Rui Suo</td>
<td>Separation and purification processes of Cu/Zn-Superoxide Dismutase(Cu/Zn-SOD) from Qinghai plateau sea buckthorn</td>
<td>5</td>
</tr>
<tr>
<td>22.</td>
<td>Shuqi Dai</td>
<td>Effects of techniques of sand bed and sand table on the survival rate of softwood cutting propagation among seven strains of Hippophae rhamnoides L.</td>
<td>5</td>
</tr>
<tr>
<td>23.</td>
<td>Jin Zhengping</td>
<td>The Study on Drought Impaction to Hybrid Seabuckthorn Growth Process</td>
<td>5</td>
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* You will find this number on the boards, please put your poster there

** Poster session

The Poster session are held during conference breaks.

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<th>Poster session</th>
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<th>Time</th>
<th>Chairman</th>
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<td>Poster session 1</td>
<td>Monday</td>
<td>11:00 – 11:30</td>
<td>Chairman Axel Wähling</td>
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<tr>
<td>Poster session 2</td>
<td>Monday</td>
<td>15:45 – 16:15</td>
<td>Chairman Thorsten Rocksch</td>
</tr>
<tr>
<td>Poster session 3</td>
<td>Tuesday</td>
<td>10:30 – 11:00</td>
<td>Chairman Ralf Godeck</td>
</tr>
<tr>
<td>Poster session 4</td>
<td>Tuesday</td>
<td>15:00 – 15:30</td>
<td>Chairman Gedeminas Radzevicius</td>
</tr>
<tr>
<td>Poster session 5</td>
<td>Wednesday</td>
<td>10:30 – 11:00</td>
<td>Chairman Yury Zubarev</td>
</tr>
</tbody>
</table>

The chairman / chairwoman will take a short interview with the poster presenters. You are kindly requested to vote for the best poster. The poster award will be given in the closing ceremony.
Technical Remarks

For presenters

- For the lectures we make available to you:
  - beamer (PC is available), which can be used for PowerPoint files,
    Files should be submitted by e-mail before conference
- All oral presentations are limited to 15 min followed by 5 min. for discussion
- Keynote lectures are 30 min.

Conference venue

The lectures, meetings and exhibitions are held in the Biosphere Potsdam,
Conference address / location:
Biosphere Potsdam
Georg-Hermann-Allee 99
14469 Potsdam

Next Tram Station directly in front of conference venue
Line 96 – station „Bornstedt / Kirschallee“, or
Line 92 – station „Campus Fachhochschule“, by foot 300-400 m along tram track

Conference office

During come together
Sunday, October 13th 4.00 – 7.00 p.m.
Mercure hotel, Potsdam city center

During conference time
In the main building of the Biosphere
Monday 8:00 – 17:00
Tuesday to Wednesday 8:00 – 17:00

Address for correspondence

ISA 2013 Conference
Infostelle Sanddorn e.V.
Ms. Sylvia Thies
An der Mühle 1
D-15345 Altlandsberg, Germany

FAX: +49(0)-33438-14720
Phone: +49(0)-33438-14724
e-mail: isa2013@sanddorn.net

during conference
FAX: +49(0)-33438-14720
Phone: +49(0)-33438-14714
Conference Proceedings

- Proceedings will be issued as print and pdf version
- You will find a voucher in your conference map. Please indicate and give to conference bureau
- Submission will be accepted on disc, memory cards or sticks or email. Text format should be WinWord (*.doc), Please use font Arial 10pt, headlines 12pt
- The official language of the conference will be English.

General information

Going to Potsdam
Conference venue is Potsdam, a German town near to Berlin. There are still two International Airports in Berlin (Schönefeld and Tegel) with good connection by plane, train and public traffic.

If you are coming from Schönefeld airport.
Please go to railroad station (5 min by foot), take city train line S9 to City center.
Change at station Ostkreuz to a city-train going to city center and change at Friedrichstraße station to S1 to Potsdam

From Tegel airport.
Please take Bus TXL and go to Berlin main railroad station. Take a city-train going to Friedrichstraße station (1 station only) and change at Friedrichstraße station to S1 to Potsdam

From Berlin main railroad station
Take a city-train going to Friedrichstraße station (1 station only) and change at Friedrichstraße station to S1 to Potsdam

In Potsdam
Mostly all Bus and Tram lines are connected to main railroad and city train station. Mercure hotel is 5 min by foot from train station. For other hotels see at hotels internet page or ask at station info point

Going to Potsdam
Weather
We are sorry, but we really do not know exactly what weather we will have. But usually we have in October about 15 to 20 °C day temperature and 10 – 15 °C at night.
Some rain is possible.

Money and currency
Euro is the usual currency. Great hotels and some shops accept foreign currencies. Payment by credit cards is widely accepted.
Cash machines can be found in many places. Bank opening hours are between 9:00 and 15:00 (sometimes 18:00). Travel cheques can be changed on airports, main railroad stations like in Berlin, in bank, sometimes in hotels

Accommodation in Potsdam
Be sure you have booked hotel before travelling.