



OSTEOSYNTHESE INTERNATIONAL

6th - 8th September Poznań, POLAND

2018



Gerhard Küntscher Society
Annual Meeting



PROGRAMME

www.osteosynthese2018.pl

Professional Conference Organiser

Carefree conferences

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www.kuentschersociety.org

CONGRESS PRESIDENT

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HONORARY GUEST

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HONORARY PATRONAGE



PATRONAGE



PROFESSIONAL CONGRESS ORGANIZER



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CERTIFICATES





Dear colleagues,
Dear members of the Gerhard Küntscher Society,

We are honored to welcome you to *Osteosynthese International 2018* Annual Meeting of the Gerhard Küntscher Society, in Poznan, Poland from 6th to 8th of September 2018.

This year topic deals with fracture care in the metaphysis. "Intramedullary nails near the joint line – new techniques and extending indications" is the heading that summarizes a variety of most interesting sessions all around the distal parts of the extremity where nailing seems to find its limitations. However, as early as 1944, Richard Maatz – a surgeon from Kiel wrote on a hospital ship in the Mediterranean: "As the surgeon's experience increases, the range of indications will be widened". This statement was published in the legendary book by Gerhard Küntscher "Technik der Marknagelung" in 1945. We are convinced that we were able to collect a rich scientific program with outstanding experts in the field of intramedullary nailing from many different countries. They will demonstrate their expertise and we are curious in how much our experience, more than 70 years later, will help us to approach the metaphyseal region with intramedullary nailing.

One goal of the Küntscher Society is to unite the nailers around the world. We welcome all of you - both colleagues with years of professional experience and those who have just started their professional careers. We are confident that you would enjoy your stay in Poznan, the birthplace of Polish Orthopaedic Society and a vibrant university city with rich history. We all wish you a most interesting scientific event and make sure that you will experience Polish warmth and hospitality.

Welcome to Poznań!

Mirosław Falis
Congress president



Georg Gradl
President of the Gerhard
Küntscher Society



Dear colleagues,
Dear members of the Gerhard Küntscher Society,

I am honored to welcome you to the *Osteosynthese International 2018* Annual Meeting of the Gerhard Küntscher Society in Poznan.

With the theme of "Intramedullary nails near joints – innovations and extending indications", this year's meeting will consider an issue of fractures localized near joints. I am convinced that this difficult medical problem can be solved with the use of new intramedullary nails and improved special surgery techniques. The significant part of our congress is dedicated to calcaneal fractures. Treating those have long been causing a lot of troubles, and that is why we consider throwing some light on this issue.

The organizing committee has created an interesting program and included a large amount of relevant theoretical and practical knowledge. Plenary lectures, parallel workshops, oral presentation and lively poster sessions will surely provide a dedicated forum and trigger further discussion and exchange of information about orthopaedics and its allied areas. Moreover, you would be able to explore and discuss further ideas through social activities during the conference.

I hope that scientific program combined with the extraordinary social program and Poznan City attractions allow you to spend and enjoy the Annual Meeting of the Gerhard Küntscher Society in Poland.

Welcome to Poznań

Marek Synder
President of the Polish Society
of Orthopaedics and Traumatology

Thursday, 6th September
MAIN LECTURE HALL
11.00 Registration, exposition visiting
11.00-12.30 Gerhard Küntscher Society Board Meeting
13.00-14.30 Session I
Proximal and distal tibia fracture
R. Zura (US), Y. Won (KR), J. Czubak (PL), S. Pomianowski (PL)

- Role of appositional screw fixation in minimally invasive plate osteosynthesis for distal tibial fracture – *Y. Won (KR)*
- Intramedullary fixation of distal tibial fractures as a suitable method of treatment – *D. Todorov, D. Enchev, M. Rashkov, A. Stefanov (BG)*
- Treatment of tibial C3 pilon fractures by nailing with the distal locking of the second level – *U. Dziatsel (BY)*
- Intramedullary nailing for distal tibia extra-articular fractures – our own experience – *W. Ambroży, K. Korzycki, P. Ślęczka (PL)*
- Necessity for fibular fixation associated with extraarticular distal tibia fractures treated with intramedullary nailing – *E. Ocalan, K. Erol, K. Aktuglu (TR)*
- Practical evaluation of transmedullary support screws (TMS) and fibular management in distal tibial fracture nailing based on a new biomechanical Goldzak classification – *M. Bęcki, R. Śmiłowicz, M. Falis, T. Szymczak (PL)*
- Management of segmental tibia fractures with intramedullary nailing and results of alignment – *E. Ocalan, K. Erol, K. Aktuglu (TR)*
- Precise derotation osteotomy of tibia for torsional profile correction – *V. Anosov, A. Beletski (BY)*
- Proximal femoral nail for treatment of intertrochanteric femoral fractures in patients over 90 years – *H. İ. Balcı, S. Bayram, F. B. Anarat, L. Eralp (TR)*
- Conversion from external fixator to intramedullary nail in damage control orthopedics and infected nonunions – *A. Warzocha (PL)*
- Nonunions – what we know and can we predict them? – *R. Zura (US)*
- Discussion

14.30-15.00 Coffee break
15.00-16.20 Session II
Innovation
P. H. Thaller (DE), L. Eralp (TR), G. Wozasek (AT), M. Synder (PL)

- Deformity correct using IMN – *P. H. Thaller (DE)*
- Innovative limb lengthening in shortened tibial osteomyelitis – *G. Wozasek (AT)*
- Combination of external fixators and intramedullary nails for lengthening and deformity correction and bone transfer – *L. Eralp (TR)*

Thursday, 6th September
MAIN LECTURE HALL

- Smart corrections in post-traumatic deformities in lower extremities – *A. C. Tekin (TR)*
- Fitbone motorised nail for femoral lengthening - preliminary report – *P. Koczewski, M. Józwiak (PL)*
- Fractures under tension stabilisation with the XS Locked nail – *W. Friedl (DE)*
- The Douglas Box: an alternative to the starr frame for complex pelvic reductions – *L. Douglas (US)*
- The locking nail technique for osteosynthesis of the pubic fractures in polytrauma patients – *N. N. Zadneprovskiy, P. A. Ivanov, V. O. Kalenskiy, A. V. Nevedrov (RU)*
- Rational and step by step technique of supra patellar nailing for proximal tibial fractures – *R. Varma (UK)*
- Discussion

16.20-16.50 Coffee break
16.50-17.40 Session III
Proximal humeral fracture
J. Verbruggen (NL), G. Gradl (DE), A. Baltov (BG), L. Romanowski (PL)

- How to do a proper humeral nailing – *J. Verbruggen (NL)*
- Proximal humerus fracture nailing, posterior approach – technique description and preliminary results – *M. Kiciński (PL)*
- Shoulder function after displaced proximal humeral fractures – comparison nonoperative and operative treatment using Targon Ph intramedullary nail – *M. Falis, R. Śmiłowicz, A. Bargiel (PL)*
- Shoulder hemi-arthroplasty for proximal humerus fractures – high complication rate in low-demand patients – *M. Hadzhinikolova, A. Baltov, D. Enchev, M. Rashkov (BG)*
- Intramedullary fibula autograft for pseudoarthrosis of humerus – our own experience – *W. Ambroży, J. Rycombel, W. Satora, P. Ślęczka (PL)*
- Proximal humerus fracture intramedullary nail or plate osteosynthesis? – *T. Sorysz (PL)*
- Discussion

**17.40-18.30 Opening Ceremony and inviting lecture
Standards and innovations of IM nailing – G. Gradl (DE)**
President of the Gerhard Küntscher Society

 Honorary guest: *H. W. Stedtfeld (DE)*

Friday, 7th September
MAIN LECTURE HALL
9.00-10.20 Session IV
Proximal and distal femur fracture
R. Biber (DE), D. C. Grecu (RO), R. Varma (UK), K. Słowiński (PL)

- Proximal femur fractures – *R. Biber (DE)*
- Proximal femur fractures – avoiding cut out and loss of offset – *W. Friedl (DE)*
- Treatment of oblique, transverse and collapsed through greater trochanteric fractures with use of an intramedullary Targon PF nail - in my hands tips and trips – *K. Pyszel, M. Falis (PL)*
- Complications in trochanteric hip fractures – *V. Spasov (BG)*
- Nail arthrodesis in severe knee injuries – *G. Wozasek (AT)*
- Our experience with retrograde nailing for extra articular distal femur fractures – *A. F. Grecu, D. C. Călin, D. N. Tarnița, W. Sha'ban, D. C. Grecu (RO)*
- Case report: Reconstruction of distal femur bone defect using Masquelet-technique – *L. Pohl, F. Hoffmann (DE)*
- Rationale and step by step technique of antegrade nailing for combined fractures of neck & shaft femur – *R. Varma (UK)*
- Discussion

10.20-10.50 Coffee break
10.50-11.50 Session V
Calcaneal fracture - part I
Mario Goldzak in memoriam
P. Simon (FR), A. Herlyn (DE), J. Lucas Hernandez (FR), T. Sorysz (PL)

- Mini invasive treatment for intra-articular calcaneal fractures: the versatile locking calcanail – *P. Simon (FR)*
- Results and observations in operative treatment of displaced intra-articular calcaneal fractures with use of Calcanail® – *D. Lisowski, M. Mroczkowski, T. Sorysz (PL)*
- Clinical results of displaced intra-articular calcaneal fractures treatment by intramedullary nail Calcanail – *K. Pyszel, M. Falis, A. Bargiel (PL)*
- 3D CT analysis of calcaneal fractures after intramedullary nail procedure – *J. Lucas Hernandez (FR)*
- 3D prints improve the inter-observer agreement of the Sanders classification of calcaneal fractures – *D. Misselyn (BE)*
- Our results with percutaneous treatment of AO/OTA 82B/C calcaneus fractures – *M. Kafelov, K. Tanovski, P. Hitov, B. Tasev, A. Baltov, M. Rashkov, D. Enchev, L. Zahariev, B. Shabani (BG)*
- Screw placement for percutaneous fixation of the calcaneus – *D. Seligson, S. Gracey (US)*
- Discussion

Friday, 7th September
MAIN LECTURE HALL
11.50-12.50 Session VI
Calcaneal fracture - part II
Mario Goldzak in memoriam
K. Anderson (US), M. Tarczyńska (PL), R. Haase (DE), R. Zura (US)

- Treatment of Calcaneal fractures with Calcaneal nail – C-nail – *M. Pompach (CZ)*
- Subtalar arthrodesis using Calcanail implant – *A. Warzocha (PL)*
- Subtalar joint arthrodesis using intramedullary calcanail in displaced intraarticular calcanail fracture (DIACF) – evaluation of the new treatment method – *M. Falis, K. Pyszel, A. Bargiel (PL)*
- Assessment of functional results and quality of life in patients after subtalar arthrodesis with Calcanail intramedullary nail – *A. Bargiel, M. Falis, K. Pyszel (PL)*
- Early experience and technical pearls with CALCANail intramedullary nailing of calcaneus fractures – *K. Anderson (US)*
- Discussion

12.50-13.10 Meet the expert
Noninvasive treatment of fractures with ultrasound of low intensity (LIPUS). Application in orthopedy everyday practice
P. Ogrodowicz (PL)
13.10-15.30 Lunch

Friday, 7th September
MAIN LECTURE HALL
**13.10-14.10
Workshop I**

Fractura colli femoris - osteosynthesis using Targon FN. How I do it
R. Biber (DE)


WORKSHOP ROOM 1
**13.30-14.30
Workshop II**

Osteosynthesis of calcaneus fractures with the elements of subtalar arthrodesis by using Calcanail
P. Simon (FR), T. Mittlmeier (DE), K. Anderson (US), J. Lucas Hernandez (FR), K. Pyszel (PL), M. Falis (PL)

**14.30-15.30
Workshop III**

Osteosynthesis of calcaneus fractures with the elements of subtalar arthrodesis by using Calcanail
P. Simon (FR), T. Mittlmeier (DE), K. Anderson (US), J. Lucas Hernandez (FR), K. Pyszel (PL), M. Falis (PL)


WORKSHOP ROOM 2
**14.15-15.15
Workshop IV**

C-nail – intramedullary calcaneal fracture nail
M. Pompach (CZ)


Friday, 7th September
FOYER
13.10-15.30 Poster session

Ł. Kołodziej (PL), G. Gradl (DE), G. Wozasek (AT)

POSTERS:

1. Timing of fixation for distal radius fractures – *S. Klatman (US)*
2. Return of motion after removal of hindfoot intramedullary implant – *R. Usmani, D. Seligson, J. Toole (US)*
3. The small cut: minimizing anterior knee pain following intramedullary fixation of tibial shaft fractures – *J. Faridi, D. Seligson (US)*
4. Changes in ankle after fibula bone injuries. Natural modelling – *A. Kalashnikov, M. Shydlovskiy, I. Litun (UA)*
5. Application blocked intramedullary nailing in patients with segmental tibial fractures – *A. Sialitski, O. Kezlya (BY)*
6. Analys of using intramedullary fixation for fractures of long bones in children – *L. Sychevskii, A. Chilimtsev, O. Khotim (BY)*
7. Tibia fractures and NSAIDs. Does it make a difference? A multicenter retrospective study – *L. Fader (US)*
8. Results of minimal invasive correction of intra-articular calcaneal fractures – *A. Brytsko, V. Anosov (BY)*
9. Extended anterior approach with greater trochanter sparing for proximal femur resection and hip reconstruction: description of the approach – *R. Zamora, T. Schlierf, J. Nyland (US)*
10. Amputated limb by cerclage wire of femoral diaphyseal fracture – *Y. Won, S. Kim, G. S. Lee, B. H. Oh, Y. J. Park (KR)*
11. Targon F intramedullary nail as the internal fixator of the knee spacer after complicated periprosthetic fracture – case report – *K. Pyszel, M. Bęcki, M. Falis (PL)*
12. Calcaneal nail and its risks – *M. Tarczyńska, K. Gawęda, M. Szubstarski (PL)*
13. Acute compartment syndrome after intramedullary nailing of tibial shaft fracture. Three case reports – *J. Nyckowski (PL)*
14. Ultrasound investigation of deltoid ligament integrity in supination-external rotation ankle fractures – *A. Konstantinidis, M. Savvidis, B. Vraggalas, M. Karanassos, G. Gkouvas (GR)*
15. Physical exercise in a model of Complex Regional Pain Syndrome – effects on local osteopenia – *P. K. E. Herlyn, A. C. Kregehr, T. Mittlmeier, A. Herlyn, S. Bruhn, B. Vollmar (DE)*
16. Gait analysis and clinical outcome in patients after pilon fracture surgery – *S. van Hoeve, M. Houben, B. S. Leenstra, P. Willems, K. Meijer, M. Poeze (NL)*
17. Comminuted calcaneal fracture with avulsion of Achilles insertion treated with the use of intramedullary nailing in the modified original method – *A. Kaźmierczyk, J. Poszepczyński, M. Domżałski (PL)*
18. Treatment of tibia fractures using the intramedullary nail inserted through the suprapatellar approach – own experience – *A. Kaźmierczyk, J. Poszepczyński, Ł. Haze, M. Domżałski (PL)*

Friday, 7th September
MAIN LECTURE HALL
15.30-16.40 Session VII
Problems around the foot and ankle joint
T. Mittlmeier (DE), D. Seligson (US), Ł. Kołodziej (PL), V. Anosov (BY)

- Innovative method for hindfoot arthrodesis with a locking nail – *T. Mittlmeier (DE)*
- Locked nail osteosynthesis in fractures around the ankle (ankle, pilon and distal lower leg) – *W. Friedl (DE)*
- Challenges and complications in management of fractures to the foot and ankle secondary to gunshot – *R. Fox, R. Zura, S. Klatman (US)*
- Open calcaneal fracture, accompanying problems - cases analysis – *M. Falis, K. Pyszel, Bargiel A. (PL)*
- Intramedullary stabilization in treatment of the pilon fracture sequel – *Ł. Kołodziej (PL)*
- Tibiotalocalcaneal arthrodesis using a straight intramedullary nail: follow-up of 5 years – *J. Lucas Hernandez (FR)*
- Calcaneal malunions – the outcomes of the treatment – *P. Kołodziejewski, K. Brylka (PL)*
- Hindfoot nailing for deformity – five cases – *D. Seligson, J. Faridi (US)*
- Discussion

16.40 General Assembly
Saturday, 8th September
MAIN LECTURE HALL
09.00-10.40 Session VIII
Not only for young surgeons session – FORTE, OSTO
D. Seligson (US), R. Varma (UK), E. Ocalan (PL), S. Czech (PL)

- Tips and tricks for femur nailing – *D. Seligson (US)*
- Rational and step by step technique of antegrade nailing of distal femoral fractures including displaced intra-articular extensions – *R. Varma (UK)*
- Nailing the tibia – *R. Haase (DE)*
- Intramedullary nailing of proximal tibia fractures – *M. Savvidis (GR)*
- Blocking screws for reduction and stability – *P. H. Thaller (DE)*
- Rationale and step by step technique for tibial nailing for fracture of distal tibia including tibial plafond fractures – *R. Varma (UK)*
- Discussion

Saturday, 8th September
MAIN LECTURE HALL
10.40-11.10 Coffee break
11.10-12.40 Session IX
Free topics and cases presentations
G. Gradl (DE), V. Anosov (BY), M. Savvidis (GR), K. Pyszel (PL)

- Henry Jacob Bigelow – a reminiscence – *D. Seligson, C. Dunlap (US)*
- Gradual lengthening of the ulna by distraction osteogenesis in children with Multiple Hereditary Exostoses. Results and comparison circular and unilateral fixators – *E. Ocalan, K. Erol, C. Alekberov, K. Aktuglu (TR)*
- Comparative results of radiological outcomes after triple pelvic osteotomy and conservative treatment in severe cases of Perthes disease – *A. B. Dzemiantsou, A. V. Beletski, V. S. Anosov (BY)*
- Temporary corrective lateral arthrorisis of subtalar joint in children with flat-foot and torsional malalignment – *V. Anosov, A. Beletski (BY)*
- Opiates, suboxone and pregnancy – *D. Easley (US)*
- Impact of opioids on fracture non-union – *R. Zura, T. Buchheit, Z. Wang (US)*
- Osseointegration of orthopaedic implants, the role of natural anti-oxidants – *M. Savvidis (GR)*
- Elasticity modulus of an implant and its effect on bone fractures treatment – *A. Kalashnikov (UA)*
- Virtual analysis of current intramedullary proximal tibia nails and comparison with the new PolyAxNail proximal tibia (PT) – *J. Wild, U. Schreiber, G. Gradl (DE)*
- Preoperative skin antisepsis using chlorhexidine may reduce surgical wound infections in lower limb trauma surgery when compared to povidone iodine – a prospective randomized trial – *B. Ritter, P. K. E. Herlyn, T. Mittlmeier, A. Herlyn (DE)*
- Discussion

12.40-12.50 Closing Ceremony

MEETING VENUE

*IBB Andersia Hotel*****
Plac Andersa 3, 61-894 Poznań, Poland

LANGUAGE

The official congress language is English.
No simultaneous translation is provided.

CONGRESS OFFICE

Is located near lecture hall.

Open:

Thursday, 6th September: 11.00–18.30

Friday, 7th September: 8.00–17.30

Saturday, 8th September: 8.00–13.00

The congress bag contains: congress materials, ID, congress programme and invitations to Gala Dinner (if the dinner ticket has been purchased earlier).

CERTIFICATE OF ATTENDANCE

The certificate of participation in the congress will be distributed on site during registration.

NAME BADGE

Please wear your name badge during all congress events. Admission to scientific sessions and to the Exhibition Site is restricted to participants wearing their badges. Participants will receive their name badge at the Congress Office.

SPEAKERS SLIDE PREVIEW DESK

A Slide Preview Desk is available for speakers in the Main Lecture Hall to deliver presentations (Windows or Apple) on USB pens or memory stick. Personal laptops are also supported. Presenters should upload their slides a minimum of two hours prior to their scheduled presentation time.

EXHIBITION SITE

The Exhibition Site is located next to the Main Lecture Hall.

WORKSHOPS

Due to the limited numbers of available places, an on-line registration was required.

Friday, 7th September

Main Lecture Hall

13.10 - 14.10 Workshop I

Fractura colli femoris – osteosynthesis using Targon FN. How I do it.
R. Biber (DE)



Workshop Room 1

13.30 - 14.30 Workshop II

Osteosynthesis of calcaneus fractures with the elements of subtalar arthrodesis by using Calcanail.
P. Simon (FR), T. Mittlmeier (DE), K. Anderson (US), J. Lucas Hernandez (FR), K. Pyszel (PL), M. Falis (PL)



14.30 - 15.30 Workshop III

Osteosynthesis of calcaneus fractures with the elements of subtalar arthrodesis by using Calcanail.
P. Simon (FR), T. Mittlmeier (DE), K. Anderson (US), J. Lucas Hernandez (FR), K. Pyszel (PL), M. Falis (PL)



Workshop Room 2

14.15 - 15.15 Workshop IV

C-nail – intramedullary calcaneal fracture nail.
M. Pompach (CZ)



GERHARD KÜNTSCHER SOCIETY GENERAL ASSEMBLY

General Assembly for members of the GKS will be held on Friday, 7th September at 16:40 in the Main Lecture Hall at *IBB Andersia Hotel*.

POSTER SESSION

The posters will be presented during a guided poster session which is scheduled on Friday, 7th September from 13.10-15.30. Therefore, we kindly ask to be present at your poster during the poster session, for presentation, discussion and questions.

PUBLICATION OF THE PRESENTATION ON THE WEBSITE

Lectures will be available on the congress website. You will receive the access password after the congress.

DISCUSSION

Microphone is at your disposal in the Main Lecture Hall.

CATERING

Coffee breaks will be organized on Exhibition Site according to congress programme. Lunch will be served in foyer in front of the Main Lecture Hall.

WELCOMING RECEPTION

Welcoming reception for participants will be held on Thursday, 6th September at 18:30 in front of Main Lecture Hall at *IBB Andersia Hotel*.

CONGRESS DINNER

The Congress Dinner will be held on Friday, 7th September at 19:30 at *Piano Bar* (ul. Półwiejska 42, 61-888 Poznań, Poland)

Big Band of the Ostrowski District

The band performs a variety of repertoire, based on swing pieces, performed by big American bands operating in the 1930s. The repertoire includes Count Basie's, Duke Ellington's and Glenn Miller's standards as well as Latin American and fusion music genres. The Big Band of the Ostrowski District has made many concerts, both at home and abroad.

The ticket valid for entry to the dinner will be included in the congress bag.

Access to the event will not be allowed without a ticket.

Participation in the dinner is optional and is subject to an additional fee not included in the conference fee. Non-funded innovative companies associated in INFARMA.

CLOAKROOM

Cloakroom is located on the 1st floor near Congress Office.

LOST & FOUND

Lost & found items can be recovered at the Congress Office.

MOBILE PHONES

The use of mobile phones is prohibited during the scientific sessions. Participants are kindly requested to keep the mobile phones turned off during the scientific sessions.

NO SMOKING POLICY

For the comfort and health of all participants, smoking is strictly prohibited in the building. In accordance with the local regulations, this congress follows a strict no-smoking policy. Therefore, participants are kindly requested to refrain from smoking in the congress area.

TRANSPORT

The organizer does not arrange transport for participants. We recommend using RADIO TAXI, telephone numer: +48 61 196 22.

PARKING

Self-parking is located under the hotel:
7 PLN (per one hour).
90 PLN (per overnight stay).

INTERNET

WiFi is available for free throughout the whole congress venue. Please ask at the check-in desk for the login data.

INSURANCE

The Congress Organizer do not assume any liability for personal injuries sustained or loss, or damage to, property belonging to congress participants (or their accompanying persons), either or as result of the congress. Participants are requested to make their own arrangements with respect to health and travel insurance.

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Med Tube

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Polish Orthopaedics and Trauma Surgery

www.poitr.pl

Chirurgische Allgemeine

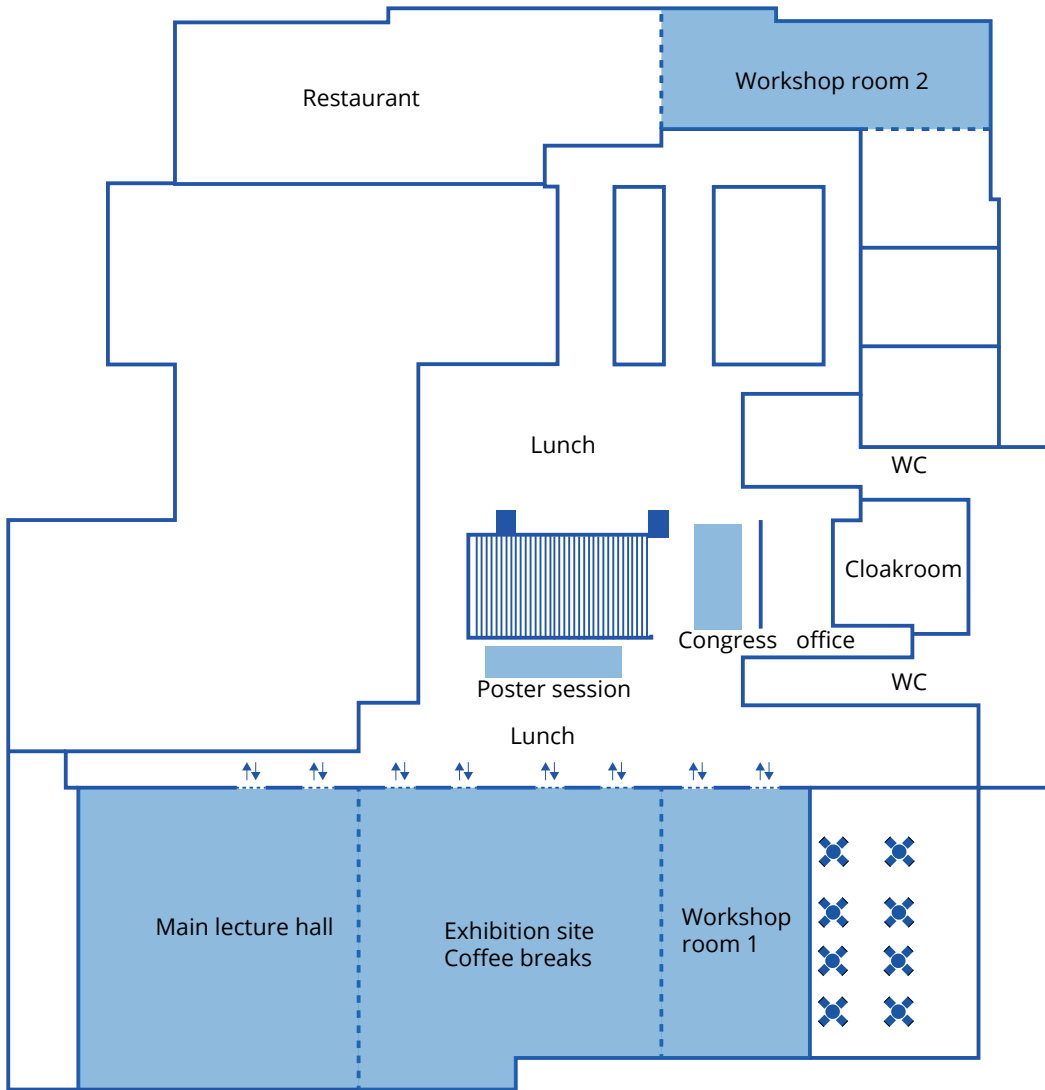
www.kaden-verlag.de

Praktyczna Ortopedia i Traumatologia

www.praktyczna-ortopedia.pl

Chirurgia Narządów Ruchu i Ortopedia Polska

www.ptoitr.pl





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