



OSTEOSYNTHESE INTERNATIONAL 2012

19-22 SEPTEMBER, ROSTOCK, GERMANY



PROGRAMME

ANNUAL CONGRESS OF THE GERHARD KÜNTSCHER SOCIETY

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ANNUAL MEETING OF THE GERHARD KÜNTSCHER SOCIETY
UNIVERSITY OF ROSTOCK



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OSTEOSYNTHESE INTERNATIONAL 2012

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WELCOME MESSAGE OF PRESIDENT OF THE KÜNTSCHER SOCIETY

Dear friends of the Gerhard Küntscher Society,
Dear Colleagues in Trauma and Orthopaedics,

About one year ago we faced the sudden dilemma that the congress we had planned in France was cancelled. With a spontaneous and courageous decision Professor Georg Gradl stepped into the breach and declared his and his colleagues willingness to organise the Congress instead.

Now, we have the impressive programme of the Rostock Congress "Osteosynthese International 2012" in our hands. With great admiration we see the fruits of the tremendous efforts of the team around Professor Thomas Mittlmeier.

The highly attractive scientific topics, they have composed in cooperation with an International Faculty, will give us the opportunity to get together again and enjoy lively discussions about new ideas in trauma care within a friendly atmosphere and at a very pleasant spot in the North of Germany.

As President of the Gerhard Küntscher Society it is my rewarding task to invite you, the interested in modern fracture care, to come to Rostock and share three invaluable days of surprise, inspiration and friendship with the Gerhard Küntscher Society.

Hans-Werner Stedtfeld
President of Küntscher Society



H.W. Stedtfeld

WELCOME MESSAGES OF CONGRESS PRESIDENTS

Dear colleagues and friends of the Gerhard Küntscher Society,

Since the first steps intramedullary nailing developed into a widely applicable standard procedure in modern fracture care. We can assume that the technique still has a promising future potential having in mind the recent achievements of intramedullary fixation of metaphyseal and joint fractures.

Actual trends, developments and the differential indication for intramedullary versus extramedullary fixation will be in the focus of our upcoming meeting.

We welcome you as active participants of the 2012 Annual Meeting of the Gerhard Küntscher Society and hope that you will enjoy the stimulating atmosphere in Rostock which is one of the most exciting places in Northeast Germany in the vicinity of the Baltic Sea.

Georg Gradl and Thomas Mittlmeier
[Congress Presidents](#)



Georg Gradl

A handwritten signature in black ink that reads "Georg Gradl".



Thomas Mittlmeier

A handwritten signature in black ink that reads "T. Mittlmeier".

PROF. DR. GERHARD KÜNTSCHER



Der Marknagel stellt keinen Ersatz der bisherigen Osteosynthesemittel, wie etwa Schraube oder Draht, dar, deren Anwendung in der Chirurgie genau dieselbe ist wie in der Technik. Er wurde nach ganz besonderen Prinzipien einzig und allein für den lebenden Knochen geschaffen. Seine Benutzung stellt eine ganz neue Form der Chirurgie dar.

The intramedullary nail is not a replacement for the standard osteosynthesis devices such as the screw or bone wire, which have the same use in surgery as in engineering. It was created purely based on the principles of living bone. Its utilisation enables a completely new form of surgery.

Sie erfordert eine sehr große Erfahrung und Übung. Es gibt hier nicht — wie so häufig in der Medizin — Unklarheiten und Ungenauigkeiten. Die Ursache des Misserfolges ist stets klar zu sehen, andererseits ist beim peinlich genauen Arbeiten die Garantie des Erfolges gegeben.

The implantation requires a great deal of experience and practice. Here there are no inaccuracies or impreciseness — as so often in medical science. On the one hand the reason for failure can always be seen very clearly, however on the other hand when surgery is performed accurately success is guaranteed.



CONGRESS FACULTY AND ORGANISATION

CONGRESS FACULTY

Prof. Dr. Georg Gradl
Congress President

University of Rostock, Germany

Prof. Dr. Thomas Mittlmeier
Congress President

University of Rostock, Germany

PD Dr. Hans-Werner Stedtfeld
President of Küntscher Society

University of Rostock, Germany

Prof. Dr. Kemal Aktuglu
Dr. Michel Brax
Prof. Dr. Karl-Heinz Frosch
Prof. Dr. Christoph Josten
Dr. Martin Kloub
Prof. Dr. Pol Rommens
Prof. Dr. David Seligson
Prof. Dr. Patrick Simon

Ege University Hospital, Turkey
Centre Hospitalier Haguenau, France
Asklepios Hospital St. Georg, Germany
University of Leipzig, Germany
Hospital Ceske Budejovice, Czech Republic
University of Mainz, Germany
University of Louisville, USA
Centre Hospitalier St. Joseph St. Luc, France

ORGANISATION

Dr. Anica Eschler
Congress Secretary and Organisation

University of Rostock, Germany

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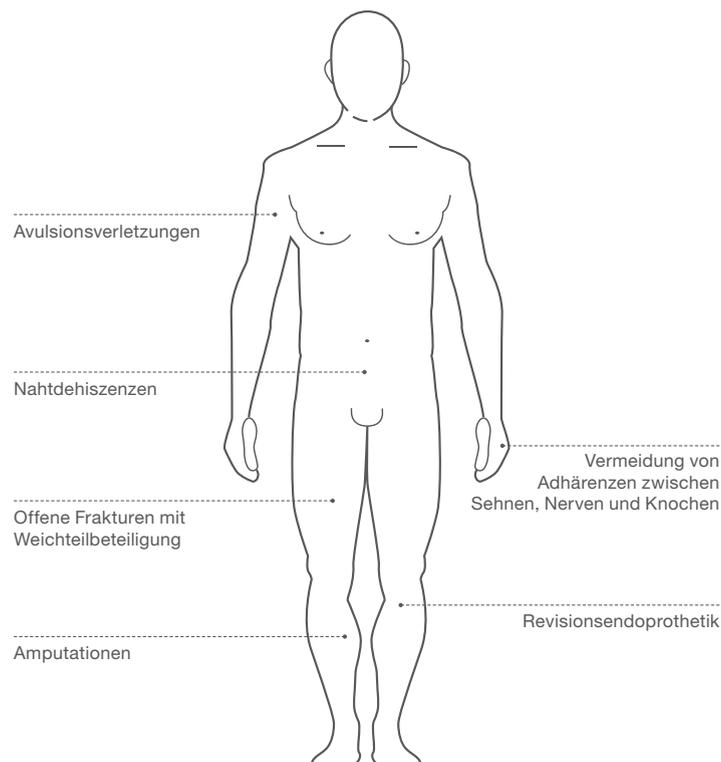


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SCIENTIFIC PROGRAMME

WEDNESDAY, 19 SEPTEMBER 2012

16.00 **Registrations Opening**

18.00 - 19.30 **Board Meeting**
Warnowblick room 6

20.00 **Board Dinner exclusively sponsored by I.T.S. GmbH**

THURSDAY, 20 SEPTEMBER 2012

8.00 - 9.00 **Registration**

9.00 - 9.20 **Congress Opening**
G. Gradl, T. Mittlmeier, H.-W. Stedtfeld

Special lecture: Küntscher's Inspirations EX-T1
P. Procter

9.20 - 10.50 **Nailing around the foot** T1
Chairmen: H. Zwipp, P. Simon

Locking nailing for displaced articular fractures of the calcaneus: an innovative procedure with the Calcanail®. L-T1.1
P. Simon¹, M. Goldzak².

1 Chirurgie orthopédique et traumatologique, Centre hospitalier St. Joseph St. Luc, Lyon, France, 2 Clinique de l'Union, St. Jean, France

Calcaneal fractures. Biomechanical comparative study comparing plating vs. Calcanail in cadaveric bones. L-T1.2
M. Goldzak¹, M. Chaussemier², R. Chieragatti².

1 Clinique de l'Union, Saint Jean, France, 2 l'Institut Supérieur de l'Aéronautique et de l'Espace, Toulouse, France

Closed reduction and percutaneous screw fixation of comminuted calcaneal fractures. L-T1.3
F. Ortner.

Department of Traumatology, Landeskrankenhaus Wiener Neustadt, Vienna, Austria

Calcaneal nail (C-NAIL) L-T1.4
M. Pompach¹, H. Zwipp², M. Amlang², L. Zilka³, M. Carda¹.

1 Pardubicka krajska nemocnice, Department of traumatology, Pardubice, Czech Republic, 2 Department of traumatology, Universitätsklinikum Carl Gustav Carus, Dresden, Germany, 3 MEDIN a.s., Nove Mesto Na Morave, Czech Republic

Intramedullary medial collum support for Charcot arthropathy – is that sufficient? L-T1.5
A. Eschler, B. Ulmar, T. Mittlmeier, G. Gradl.

Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany

Ankle fractures in older patients: the use of augmented fixation techniques. L-T1.6
N. Viens, G. Sutter, D. Mangiapani, S. Adams, R. Zura.

Orthopaedics Department, Duke, Durham, USA

10.10 - 10.20 **Discussion**

SCIENTIFIC PROGRAMME

	<p>Initial experience with the application of ankle arthrodesis nail.</p> <p><u>N. Tzachev</u>¹, A. Baltov¹, D. Liliyanov¹, I. Gerov², A. Iotov¹.</p> <p><small>1 Department of Orthopaedic and Trauma, Military Hospital, Sofia, Bulgaria, 2 Department of Orthopaedic and Trauma, Tokuda Hospital, Sofia, Bulgaria</small></p>	R-T1.1
	<p>A new plate for the treatment of Lisfranc's fracture.</p> <p>D. Seligson, <u>C. Bowlin</u>, C. Vanlaningham.</p> <p><small>Department of Orthopaedics, University of Louisville Hospital, Louisville, USA</small></p>	R-T1.2
10.30 - 10.50	<p>Key-note lecture: Nailing in foot surgery</p> <p>H. Zwipp</p>	KN-T1
10.50 - 11.20	Coffee Break	
11.20 - 12.35	<p>Nailing in reconstructive surgery and non-unions</p> <p>Chairmen: P. V. Giannoudis, A. Rücker, A. N. Chelnokov</p>	T2
	<p>Closed nailing in valgus intertrochanteric osteotomy.</p> <p><u>A. N. Chelnokov</u>, A. Shalin, A. Bogatkin.</p> <p><small>Orthopaedic Trauma, Ural Scientific Institute of Traumatology and Orthopaedics, Ekaterinburg, Russia</small></p>	L-T2.1
	<p>The acute correction of deformities of the tibia with tibial nail using the new Monobloc Distal Bolt Locking Screw (MDBLS).</p> <p><u>T. Kurtulmus</u>, N. Saglam, G. Saka, S. Yeniocak, E. Demirel, F. Akpınar.</p> <p><small>Department of Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey</small></p>	L-T2.2
	<p>Long-term results with renailing for non-unions of the femoral shaft.</p> <p>I. Gerov¹, N. Tzachev².</p> <p><small>1 Orthopaedic Surgery, Tokuda Hospital, Sofia, Bulgaria, 2 Orthopaedic Trauma, Military Hospital, Sofia, Bulgaria</small></p>	L-T2.3
	<p>The treatment of the long bone non-unions with intramedullary nail.</p> <p>N. Saglam, <u>T. Kurtulmus</u>, G. Saka, E. Demirel, M. Imam, F. Akpınar.</p> <p><small>Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey</small></p>	L-T2.4
	<p>The long telegraph nail for humeral shaft fractures - how to avoid non-union.</p> <p><u>C. Cuny</u>, M'B. Irrazi, A. Berrichi, N. Ionescu, P.-Y. Le Coadou, P. Beau.</p> <p><small>Department of Orthopaedics, CHR Metz-Thionville, Metz, France</small></p>	L-T2.5
12.00 - 12.10	Discussion	
	<p>The treatment of adult forearm non-unions with modified Nicoll's Technique and newly designed Ulna-A and Radius-A Nails.</p> <p>N. Saglam, G. Saka, <u>T. Kurtulmus</u>, U. Bakir, B. Kibar, F. Akpınar.</p> <p><small>Department of Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey</small></p>	R-T2.1
12.15 - 12.35	<p>Key-note lecture: Nailing in reconstructive surgery and non-unions</p> <p>P. V. Giannoudis</p>	KN-T2
12.35 - 14.30	<p>Lunch Break, Lunch Workshops:</p> <ul style="list-style-type: none"> - How to do best tibial nailing - How to do best calcaneal nailing 	

14.30 - 15.50	New Concepts Chairmen: T. Mittlmeier, M. Wich	T3
	Development of the telegraph nail for proximal humeral fractures. <u>C. Cuny</u> ¹ , T. Goetzmann ¹ , M'B. Irrazi ¹ , A. Berrichi ¹ , D. Dedome ¹ , D. Mainard ² . 1 Department of Orthopaedics, CHR Metz-Thionville, Metz, France, 2 Department of Orthopaedics, CHU de Nancy, Nancy, France	L-T3.1
	Morphological analysis of a novel poly-axial intramedullary nailing concept for the treatment of proximal humerus fractures. <u>S. Döbele</u> ¹ , S. Eichhorn ² , A. Lenich ³ , O. M. Trapp ⁴ , U. Schreiber ² , U. Stöckle ¹ . 1 BG Trauma Center Tübingen, Tübingen, Germany, 2 University of Applied Science, Munich, Germany, 3 Clinic for Trauma Surgery, Klinikum rechts der Isar, Technische Universität München, Munich, Germany, 4 BG Trauma Center Murnau, Murnau, Germany	L-T3.2
	Press-on interlocking – a new concept of fracture near fixation leads to early callus mineralization. An experimental study. <u>G. Gradl</u> , P. Herlyn, J. Emmrich, U. Friebe, T. Mittlmeier. Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany	L-T3.3
	Evaluation of an innovative combined magnetic and manual targeting device for distal locking of intramedullary nails. <u>L. L. Negrin</u> , V. Vécsei. Department of Trauma Surgery, Medical University of Vienna, Humberg/Vienna, Austria	L-T3.4
15.00 - 15.10	Discussion	
	Early clinical outcomes of a new and different designed detection method: Applying minimal invasiveness, allowing sliding compression and effective antirotatuar in adult collum femoris fractures. G. Saka, T. Kurtulmus, N. Saglam, S. Yeniocak, Z. Yalcin, F. Akpınar. Department of Orthopaedics, Umraniye Training and Research Hospital, Istanbul, Turkey	R-T3.1
	Percutaneous and minimally invasive screw fixation of acetabular fractures with 3D-fluoroscopy-based navigation. <u>P. Schwabe</u> , N. Haas, S. Maerdian, C. Druschel, K.-D. Schaser. Centre for Musculoskeletal Surgery, Charité - University Medicine Berlin, Berlin, Germany	R-T3.2
	The Use of intraarticular semi-extended technique for treatment of tibial fractures. C. Herren, <u>M. Graf</u> . Medizinisches Zentrum Städte Region Aachen GmbH, Klinik für Unfall-, Hand- und Wiederherstellungschirurgie, Würselen, Germany	R-T3.3
	The PolyAxNail; Development and evaluation of a novel poly-axial and angle-stable intramedullary nailing concept for the proximal humerus. <u>A. Lenich</u> ¹ , U. Schreiber ² , S. Eichhorn ¹ , S. Döbele ³ , R. Burgkart ¹ , A. Imhoff ¹ . 1 Orthopaedics, Klinikum rechts der Isar, Technische Universität München, Munich, Germany, 2 University of Applied Science, Munich, Germany, 3 BG Trauma Center Tübingen, Tübingen, Germany	R-T3.4
15.30 - 15.50	Key-note lecture: Revolutionary technologies and their clinical impact. From K nails to Glue. P. Procter	KN-T3
15.50 - 16.20	Coffee Break	

SCIENTIFIC PROGRAMME

16.20 - 18.10	Nailing of the tibia Chairmen: P. Rommens, C. Josten, K.-H. Frosch	T4
	Long-term stability of angle-stable versus conventional locked intramedullary nails in a distal tibia fracture model. <u>D. Wähnert</u> ¹ , Y. Stolarczyk ² , T. Mückley ² , G. O. Hofmann ² , C. Kösters ¹ , M. Raschke ¹ . 1 Trauma, Hand and Reconstructive Surgery, University Hospital Münster, Münster, Germany, 2 Trauma, Hand and Reconstructive Surgery, University Hospital Jena, Jena, Germany	L-T4.1
	Treatment of tibia fractures with unreamed and reamed intramedullary nailing in adults. <u>T. Kurtulmus</u> , N. Saglam, G. Saka, U. Ozturk, M. Imam, F. Akpınar. Department of Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey	L-T4.2
	Nailing for pilon fractures in disadvantaged patients. <u>B. Hartley</u> , L. Douglas, D. Seligson. Department of Orthopaedics, University of Louisville Hospital, Louisville, USA	L-T4.3
	Angle-stable versus conventional distal tibia nail locking screws – a biomechanical study on fatigue performance. <u>M. Lenz</u> ¹ , B. Gueorguiev ¹ , R. G. Richards ¹ , G. O. Hofmann ² , D. Höntzsch ³ , M. Windolf ¹ . 1 AO Research Institute Davos, AO Foundation, Davos, Switzerland, 2 Department of Traumatology, Hand and Reconstructive Surgery, Friedrich-Schiller-University Jena, Jena, Germany, 3 Department of Medical Technology Development, BG Trauma Hospital Tübingen, Tübingen, Germany	L-T4.4
	Prevalence and risk factors of reinterventions following reamed intramedullary tibia nailing. <u>P. Z. Stavrou</u> , S. Theocharakis, S. Gudipati, V. Ciriello, N. Kanakaris, P. V. Giannoudis. Academic Department of Trauma & Orthopaedics, Leeds General Infirmary, Leeds, United Kingdom	L-T4.5
17.00 - 17.10	Discussion	
	Treatment of tibia fractures with titanium elastic intramedullary nail in children. <u>T. Kurtulmus</u> , N. Saglam, G. Saka, S. Yeniocak, M. Abughalwa, F. Akpınar. Department of Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey	R-T4.1
	Infection in tibial fractures treated with I.N. <u>M. Savvidis</u> , T. Michail, I. Bisbinas, I. Theodoroudis, G. Gkouvas. A' Orth. Department, 424 Gen. Military Hospital, Thessaloniki, Greece	R-T4.2
	Tibial head fractures: results after angular stable plate osteosynthesis. <u>S. Märdian</u> , M. Hufeland, M. Dahne, P. Schwabe, N. Haas, K.-D. Schaser. Centre for Musculoskeletal, Charité - University Medicine Berlin, Berlin, Germany	R-T4.3
	A tibia nail for human identification – a local forensic case. <u>A. Dietze</u> ¹ , J. Manhart ² , A. Büttner ² . 1 Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Forensic Pathology, University of Rostock, Rostock, Germany	R-T4.4
17.30 - 18.10	Key-note lecture: How to do the best distal tibial nailing P. Rommens	KN-T4.1
	Key-note lecture: How to do the best proximal tibial nailing K.-H. Frosch	KN-T4.2
19.30	Opening Ceremony and Welcome Reception Radisson Blu Hotel H.-W. Stedtfeld, C. Josten, G. Gradl, T. Mittlmeier	
	Special lecture: Who was Müller-Mernach? <u>D. Seligson</u> ¹ , L. Douglas ¹ , L. Negrin ² . 1 Department of Orthopaedics, University of Louisville Hospital, Louisville, USA, 2 Unfallchirurgie, AKH, Wien, Austria	EX-T2



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SCIENTIFIC PROGRAMME

FRIDAY, 21 SEPTEMBER 2012

9.00 - 10.15 **Nailing of the humerus** F1
Chairman: M. Sawvidis, H.-W. Stedtfeld, R. Haase

Experimental examination of factors influencing the deformation cutout risk in locked nail osteosynthesis of proximal humerus fractures. L-F1.1

W. Friedl¹, M. Rinner².

¹ Klinikum Aschaffenburg, Aschaffenburg, Germany, ² Plus Orthopaedics Aarau, Aarau, Switzerland

Biomechanical evaluation of locking plate fixation of proximal humeral fractures augmented with Calcium Phosphate cement. L-F1.2

G. Gradl¹, M. Knobe¹, M. Stoffel², A. Prescher³, T. Dirrachs⁴, H.-C. Pape¹.

¹ Department for Trauma Surgery, University Hospital Aachen, Aachen, Germany, ² Institute of General Mechanics, University of Aachen, Aachen, Germany, ³ Institute of molecular and cellular anatomy, University Hospital Aachen, Aachen, Germany, ⁴ Department for Diagnostic and Interventional Radiology, University Hospital Aachen, Aachen, Germany

Operative treatment of humeral shaft fractures with an antegrade locking nail (Targon PH Long, Fa. Aesculap). A retrospective study – preliminary results. L-F1.3

A. Dietze, A. Strübing, H.-W. Stedtfeld, T. Mittlmeier.

Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany

Complications after interlocked intramedullary nailing of the humeral shaft fractures. L-F1.4

A. Baltov.

Department of Orthopaedics and Traumatology, Military Medical Academy, Sofia, Bulgaria

9.30 - 9.40 **Discussion**

Proximal humeral fractures: Discrepancies between a predetermined clinical pathway and the actual clinical decision. R-F1.1

J. Weber, J. Westphal, M. Schoen.

Department of Trauma, Orthopaedic and Hand Surgery, Klinikum Südstadt, Rostock, Germany

Antegrade nailing in the distal third humeral fractures. R-F1.2

A. N. Chelnokov, A. Bazhenov.

Orthopaedic Trauma, Ural Scientific Institute of Traumatology and Orthopaedics, Ekaterinburg, Russia

An innovative technique for entry hole creation in retrograde humeral nailing. R-F1.3

R. Biber¹, H.-J. Bail¹, B. Zirngibl¹, H.-W. Stedtfeld².

¹ Department for Trauma and Orthopaedic Surgery, Klinikum Nürnberg, Nürnberg, Germany, ² Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany

9.55 - 10.15 **Key-note lecture: Twelve years of antegrade proximal humeral nailing – a résumé.** KN-F1
H.-W. Stedtfeld

10.15 - 10.45 **Coffee Break**

10.45 - 11.45 **Fracture fixation for implant associated fractures and how to avoid complications** F2
Chairmen: H. Tarutis, L. Großterlinden

The Periprosthetic Fracture Plus: What they didn't teach you in Vancouver. L-F2.1

L. Douglas, B. Hartley, D. Seligson.

Department of Orthopaedics, University of Louisville Hospital, Louisville, USA

	Periprosthetic fractures after TKA: management and results.	L-F2.2
	<u>S. Märdian</u> , P. Schwabe, M. Dahne, G. Matziolis, N. Haas, K.-D. Schaser. Centre for Musculoskeletal Surgery, Charité - University Medicine Berlin, Berlin, Germany	
	Fracture Fixation around intramedullary implants – a biomechanical study on different cerclage looping techniques.	L-F2.3
	<u>M. Lenz</u> ¹ , S. M. Perren ¹ , B. Gueorguiev ¹ , R. G. Richards ¹ , G. O. Hofmann ² , M. Windolf ¹ . 1 AO Research Institute Davos, AO Foundation, Davos, Switzerland, 2 Department of Traumatology, Hand and Reconstructive Surgery, Friedrich-Schiller-University Jena, Jena, Germany	
11.10 - 11.20	Discussion	
	Periprosthetic fracture after MIPO for femoral stress fracture at tracker of computer-navigated total knee replacement.	R-F2.1
	<u>K. S. R. K. Prasad</u> , K. K. Karras, R. Kumar, A. Sharma. Prince Charles Hospital, Merthyr Tydfil, United Kingdom	
11.25 - 11.45	Key-note lecture: Intramedullary nailing for treatment of complications	KN-F2
	<u>H. Tarutis</u> , M. Bendala, F. Remmler. Klinik für Unfallchirurgie und Orthopädie, Klinikum Spandau, Spandau, Germany	
11.45 - 11.55	Break	
11.55 - 12.35	Nailing of the femur, session I femur shaft	F3
	Chairman: K. Aktuglu, P. Rommens, K.-K. Dittel	
	The intramedullary nailing of adult femoral shaft fracture by the way of open reduction is a disadvantage or not?	L-F3.1
	<u>H. Burc</u> , T. Atay, D. Demirci, Y. B. Baykal, V. Kirdemir, H. Yorgancigil. Department of Orthopaedics and Traumatologie, Suleyman Demirel University, Medical School, Isparta, Turkey	
	Factors affecting the closed reduction of diaphyseal fractures of the femur.	L-F3.2
	Y. A. Kati ¹ , <u>A. O. Yildirim</u> ² , O. F. Oken ² , A. Ucaner ² . 1 Department for Orthopaedics and Traumatology, Can State Hospital, Canakkale, Turkey, 2 Ankara Numune Training and Research Hospital, Ankara, Turkey	
	The patellofemoral kinematics following locked intramedullary nailing treatment for femur shaft fracture.	L-F3.3
	A. O. Yildirim ¹ , <u>E. Aksahin</u> ¹ , Y. A. Kati ¹ , B. Sakman ² , A. Ucaner ¹ , A. Bicimoglu ¹ . 1 Orthopaedics and Traumatology, Numune Education and Research Hospital, Ankara, Turkey, 2 Radiology Clinic, Numune Education and Research Hospital, Ankara, Turkey	
	Treatment of femoral shaft fractures with interlocking intramedullary nailing in adults.	L-F3.4
	N. Saglam, <u>T. Kurtulmus</u> , G. Saka, M. Imam, M. Abughalwa, F. Akpinar. Department of Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey	
12.25 - 12.35	Discussion	
12.35 - 14.30	Lunch Break, Lunch Workshops: - How to do best proximal humeral nailing - How to do best femoral nailing	

SCIENTIFIC PROGRAMME

14.30 - 15.50	Nailing of the femur, session II proximal femur Chairmen: M. Brax, M. Kloub, J.P.A.M. Verbruggen	F4
	Clinical and functional outcomes of internal fixation with intertrochanteric antegrade nail in older patients with proximal extracapsular femoral fractures: a case series. M. Galli ¹ , L. Bocchino ¹ , <u>V. Ciriello</u> ² , P. Z. Stavrou ² , E. Marzetti ¹ . 1 Department of Trauma and Orthopaedic Surgery, University Cattolica del Sacro Cuore, Rome, Italy, 2 Department of Trauma and Orthopaedic Surgery, University of Leeds, Leeds, England	L-F4.1
	Internal fixation of intracapsular hip fractures with a new dynamic locking plate Targon FN®. Y. Chammai, <u>M. Brax</u> , N. Robial, D. Borcos, D. Mochel. Traumatology and Orthopaedic Surgery, Hospital of Haguenau, Haguenau, France	L-F4.2
	“Japanese finger” type – rare pertrochanteric fractures. <u>N. Tzachev</u> ¹ , A. Baltov ¹ , D. Kostov ¹ , I. Gerov ² , A. Iotov ¹ . 1 Department of Orthopaedic and Trauma, Military Hospital, Sofia, Bulgaria, 2 Department of Orthopaedic and Trauma, Tokuda Hospital, Sofia, Bulgaria	L-F4.3
	Retrospective analysis of total hip arthroplasty for displaced, intracapsular neck of femur fractures, in a tertiary referral centre. <u>Z. Gamie</u> , J. Neale, D. Shields, J. Claydon, S. Hazarika, A. Gray. Department of Trauma and Orthopaedic Surgery, Royal Victoria Infirmary, Newcastle upon Tyne, United Kingdom	L-F4.4
15.00 - 15.10	Discussion	
	The Trigen® intertan nail (Smith&Nephew Co.) for treatment of proximal femoral fractures. C. Herren, <u>M. Graf</u> . Medizinisches Zentrum Städte Region Aachen GmbH, Klinik für Unfall-, Hand- und Wiederherstellungschirurgie, Würselen, Germany	R-F4.1
	Proximal femoral nailing with continuous manual traction. N. Saglam, <u>T. Kurtulmus</u> , G. Saka, B. Kibar, U. Ozturk, F. Akpınar. Department of Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey	R-F4.2
	Neck of femur fractures in patient’s aged over 85 years – are they a unique subset? <u>A. Moon</u> , A. Grey, D. Deehan. Orthopaedic Trauma Unit, Newcastle upon Tyne Hospitals, Newcastle upon Tyne, United Kingdom	R-F4.3
	The effectiveness of a distal target device in the use of long gamma nail. S. Paraschou*, <u>M. Savvidis</u> *, G. Chatziliadis, G. Gkouvas, A. Karanikolas. A’Orth. Department, Kilkis General Hospital, Kilkis/Thessaloniki, Greece	R-F4.4
15.30 - 15.50	Key-note lecture: How to do the best proximal femoral nailing. M. Kloub	KN-F4
15.50 - 16.20	Coffee Break	
16.20 - 17.40	Session III hints, pitfalls and complication management in proximal femur nailing Chairmen: R. Zura, W. Friedl, G. Gradl	F5
	Complications and techniques of proximal femoral fractures with the TARGON PF. <u>N. Takigawa</u> , H. Moriuchi, M. Abe, K. Yasui, H. Eshiro, M. Kinoshita. Orthopaedics, Nishinomiya Kyoritsu Neurosurgical Hospital, Nishinomiya, Japan	L-F5.1
	Failure of proximal femur fractures after intramedullary stabilisation with Gamma 3 nail, a retrospective analysis. P. Haar. Zentrum für Orthopädie/Unfall- und Handchirurgie, Klinikum Südstadt, Rostock, Germany	L-F5.2

	Femoral neck collapse after internal fixation of intracapsular hip fractures. M. Parker. Orthopaedic Department, Peterborough City Hospital, Peterborough, United Kingdom	L-F5.3
	Z-effect after intramedullary nailing systems for trochanteric femur fractures. S. J. M. Smeets, G. Kuijt, P. van Eerten. Department of Surgery, Maxima Medical Centre, Veldhofen, The Netherlands	L-F5.4
	Lateral cortical notching in specific cases of delayed unions or non-unions after intertrochanteric and reversed fractures. H.-W. Stedtfeld ¹ , H. J. Bail ² , R. Biber ² . 1 Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Department for Trauma and Orthopaedic Surgery, Klinikum Nürnberg, Nürnberg, Germany	L-F5.5
17.00 - 17.10	Discussion	
	Is proximal femoral nailing a good procedure for teaching in orthogeriatrics? R. Biber ¹ , S. Grüniger ¹ , K. Singler ² , C. Sieber ² , H.-J. Bail ¹ . 1 Department for Trauma and Orthopaedic Surgery, Klinikum Nürnberg, Nürnberg, Germany, 2 Department for Geriatrics, Klinikum Nürnberg, Nürnberg, Germany	R-F5.1
	Rotation instability and micromovements are independent prognostic factors for the failure rate of dislocated medial femur neck fractures. W. Friedl ¹ , P. Stürzenhofecker ² . 1 Klinikum Aschaffenburg, Aschaffenburg, Germany, 2 University of Würzburg, Würzburg, Germany	R-F5.2
17.20 - 17.40	Key-note lecture: Cutting out. A main problem in the management of trochanteric fractures. Experimental and clinical examination. W. Friedl. Klinikum Aschaffenburg, Aschaffenburg, Germany	KN-F5
17.40 - 17.50	Break	
17.50 - 18.30	Perioperative management Chairmen: D. Seligson, W. Lehmann	F6
	Death by trauma 2010: Mortality and trauma mechanisms in Berlin, Germany. C. Kleber ¹ , M. Giesecke ¹ , C. T. Buschmann ² , M. Tsokos ² , N. P. Haas ¹ . 1 Centre for Musculoskeletal Surgery, Charité-Universitätsmedizin, Berlin, Germany, 2 Institute for Legal Medicine and Forensic Science, Charité-Universitätsmedizin, Berlin, Germany	L-F6.1
	Injury, opioids and incarceration. D. Preston. Psychiatry, Centre for Cognitive Therapy, Louisville, USA	L-F6.2
	Relationship between pre-fracture characteristics and perioperative complications in the elderly hip fracture patient, predictors of LOS. R. Zura. Orthopaedics Department, Duke, Durham, USA	L-F6.3
18.15 - 18.25	Discussion	
	The effects of blood transfusion on perioperative complications and survival after hip fracture surgery. S. J. M. Smeets ¹ , M. Poeze ² , J. P. A. M. Verbruggen ² . 1 Department of Surgery, Maxima Medical Centre, Veldhofen, The Netherlands, 2 Department of Surgery, Maastricht University Medical Centre, Maastricht, The Netherlands	R-F6.1
18.30 - 19.15	General Assembly	
20.30	Gala Dinner at Bar & Restaurant Silo 4	

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SATURDAY, 22 SEPTEMBER 2012

9.00 - 10.20	<p>Nailing for forearm and hand fractures</p> <p>Chairmen: K. Aktuglu , H.-J. Bail, G. Saka, V. Dubrov</p>	S1
	<p>The treatment of adult isolated radius/Ulna diaphysis fractures with intramedullary radius A/Ulna A nail.</p> <p>G. Saka, T. Kurtulmus, N. Saglam, M. Ugurlar, U. Ozturk, U. Bakir, C. Ozer, F. Akpinar. Department of Orthopaedics, Umranlye Training and Research Hospital, Istanbul, Turkey</p>	L-S1.1
	<p>Operative treatment of the greater and lesser arc wrist injuries.</p> <p>R. Pavic¹, P. Margeti², M. Malovi¹. 1 Department of Hand Surgery, University Clinic of Traumatologie, Zagreb, Croatia, 2 Department of Radiology, University Clinic of Traumatologie Zagreb, Croatia</p>	L-S1.2
	<p>Intramedullary fixation of intra-articular distal radius fractures – first results for the Tragon DR</p> <p>S.S.I. Falk, N. Mielsch, M. Wendt, T. Mittlmeier, P. Gierer, G. Gradl. Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany</p>	L-S1.3
	<p>Angle-stable plate or angle-stable locked nail fixation in distal radius fractures. An experimental examination and phase in clinical study.</p> <p>W. Friedl¹, M. Rinner², M. Simnacher², C. Mathieu². 1 Klinikum Aschaffenburg, Aschaffenburg, Germany, 2 Smith&Nephew, Switzerland</p>	L-S1.4
9.30 - 9.40	Discussion	
	<p>Long-term functional and radiological results of distal radius fractures after treatment with the locking compression plate.</p> <p>S. Tsitsilonis, D. Machó, K.-D. Schaser, N. P. Haas, F. Wichlas. Clinic for Trauma and Reconstructive Surgery, Centre for Musculoskeletal Surgery, Charité - University Medicine Berlin, Berlin, Germany</p>	R-S1.1
	<p>Long-term outcome of operative treatment of olecranon fractures with the use of the Locking Compression Plate: clinical results and quality of life 4 years postoperatively.</p> <p>F.-M. Hahn, S. Tsitsilonis, K.-D. Schaser, N. P. Haas, F. Wichlas. Clinic for Trauma and Reconstructive Surgery, Centre for Musculoskeletal Surgery, Charité - University Medicine, Berlin, Germany</p>	R-S1.2
	<p>Prospective evaluation of complex olecranon fractures. Osteosynthesis with the XS nail.</p> <p>W. Friedl¹, J. Gehr². 1 Klinikum Aschaffenburg, Aschaffenburg, Germany, 2 University of Würzburg, Würzburg, Germany</p>	R-S1.3
	<p>Distal radius fractures: volar vs. dorsal plating.</p> <p>D. Machó, S. Tsitsilonis, K.-D. Schaser, N. P. Haas, F. Wichlas. Clinic for trauma and reconstructive surgery, Centre for Musculoskeletal Surgery, Charité - University Medicine Berlin, Berlin Germany</p>	R-S1.4
10.00 - 10.20	<p>Key-note lecture: Nailing for forearm and hand fractures</p> <p>G. Saka, V. Dubrov</p>	KN-S1
10.20 - 10.50	Coffee Break	

SCIENTIFIC PROGRAMME

10.50 - 11.50	Experimental Forum Chairmen: B. Müller-Hilke, A. N. Chelnokov	S2
	Micro-CT and osteodensitometry in osteoporotic bone: Who is right? P. Herlyn ¹ , N. Cornelius ¹ , D. Haffner ² , C. Kasch ³ , T. Mittlmeier ¹ , D.-C. Fischer ⁴ . 1 Department of Traumatology and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Clinic for Paediatric Kidney, Liver and Metabolic Diseases, Hannover Medical School, Hannover, Germany, 3 Department of Orthopaedics, University of Rostock, Rostock, Germany, 4 Department of Paediatrics, University of Rostock, Rostock, Germany	R-S2.1
	CRPS: Early decompression treatment in a rat model. A. Schiebold ¹ , G. Gradl ¹ , T. Mittlmeier ¹ , B. Vollmar ² , P. Herlyn ¹ . 1 Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Institute for Experimental Surgery, University of Rostock, Rostock, Germany	R-S2.2
	CRPS: The role of minimal nerve injury in a rat model. Z. Wang ¹ , G. Gradl ² , T. Mittlmeier ² , B. Vollmar ¹ , P. Herlyn ² . 1 Institute for Experimental Surgery, University of Rostock, Rostock, Germany, 2 Department of Traumatology and Reconstructive Surgery, University of Rostock, Rostock, Germany	R-S2.3
	The effect of immunonutrition (Glutamine, Alanine) on fracture healing. A. Kucukalp, K. Durak ¹ , G. Sonmez ² , S. Bayyurt ¹ , M. S. Bilgen ¹ . 1 Department of Orthopaedics and Traumatology, Uludag University Faculty of Medicine, Bursa, Turkey, 2 Department of Pathology, Uludag University Faculty of Medicine, Bursa, Turkey	R-S2.4
	Antithrombin reduces inflammation and microcirculatory perfusion failure in closed soft tissue injury and endotoxemia. P. Gierer ¹ , F. Laue ¹ , R. Rotter ¹ , G. Gradl ¹ , T. Mittlmeier ¹ , B. Vollmar ² . 1 Department of Trauma & Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Institute for Experimental Surgery, University of Rostock, Rostock, Germany	R-S2.5
	Type II diabetes mellitus does not degrade skeletal muscle regeneration following severe soft tissue trauma in rat. R. Rotter ¹ , B. Schopp ¹ , I. Stratos ¹ , P. Gierer ¹ , B. Vollmar ² , T. Mittlmeier ¹ . 1 Department of Trauma and Reconstructive Surgery, University Rostock, Rostock, Germany, 2 Institute for Experimental Surgery, University Rostock, Rostock, Germany	R-S2.6
	Inhibition of caspase mediated apoptosis restores muscle function after crush injury in rat skeletal muscle. I. Stratos ¹ , Z. Li ¹ , R. Rotter ² , P. Herlyn ² , T. Mittlmeier ² , B. Vollmar ² . 1 Institute of Experimental Surgery, University of Rostock, Rostock, Germany, 2 Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany	R-S2.7
11.20 - 11.30	Discussion	
11.30 - 11.50	Key-note lecture: Nailing in experimental settings G. Gradl, A. Lenich	KN-S2
11.50 - 12.00	Break	

12.00 - 12.50	Varia Chairmen: M. Kloub, P. Gierer	S3
	Intramedullary stabilization of dislocated midclavicular fractures with Rockwood Pin. L. Pohl, <u>K. AlMachout</u> , D. Kunzmann, F. Hoffmann. Traumatology, Klinikum Frankfurt (Oder), Frankfurt (Oder), Germany	L-S3.1
	The angular-stable transiliac lumbopelvic fixation in unstable sacral and pelvic fractures. <u>G. Müller</u> , J. Madert, K.-H. Frosch. Centre for Surgery and Traumatology, Asklepiosclinic St. Georg – Hamburg, Hamburg, Germany	L-S3.3
	Retrospective analysis of the oncosurgical management of bone metastases of the upper extremity. <u>P. Schwabe</u> , I. Melcher, C. Teichler, S. Maerdian, N. P. Haas, K.-D. Schaser. Centre for Musculoskeletal Surgery, Charité - University Medicine Berlin, Berlin, Germany	L-S3.4
	Treatment of sternum fractures. <u>L. Lindemann-Sperfeld</u> ¹ , M. Steinert ² . 1 Department for Trauma and Reconstructive Surgery, Krankenhaus Martha-Maria Halle-Dörlau, Akademisches Lehrkrankenhaus der Martin-Luther-Universität Halle-Wittenberg, Dörlau, Germany. 2 Department for Thoracic Surgery, Akademisches Lehrkrankenhaus der Martin-Luther-Universität Halle-Wittenberg, Dörlau, Germany.	L-S3.5
12.30 - 12.40	Discussion	
	Influence of the pathogen spectrum after traumatic amputations and type IIIC open fractures on the initial antibiotic therapy. <u>M. Giesecke</u> ¹ , C. Kleber ¹ , C. A. Becker ¹ , R. A. Schiller ² , N. P. Haas ¹ , K. D. Schaser ¹ . 1 Centre for Musculoskeletal Surgery, Charité - Universitätsmedizin, Berlin, Germany, 2 Department of Microbiology, Charité - Universitätsmedizin, Berlin, Germany	R-S3.1
12.50 - 13.00	Break	
13.00 - 13.20	Award Ceremony and closing remarks	
13:20 - 14:20	Packed Lunches	
15:00 - 18:00	Closing event “Speedsailing” (page 25)	

WORKSHOPS

Hands-on workshops will take place during the **Lunch Breaks** (12.35 – 14.00 hrs) on **Thursday and Friday** at rooms “Warnowblick”

THURSDAY, 20 SEPTEMBER 2012

How to do best tibial nailing



How to do best calcaneal nailing



FRIDAY, 21 SEPTEMBER 2012

How to do best proximal humeral nailing



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RECREATIONAL PROGRAMME



If you would like to explore Rostock we can offer a diverse recreational programme. There is plenty to discover for everyone.

If you would like to get to know the area, the sightseeing tour by bus and the harbour tour by boat are just the right excursion for you. The night guard tour gives you an interesting insight into the ancient aspects of the city.

Brewing beer is one of the oldest German cultural assets, therefore it is a great opportunity to visit the local brewery. For those who like to swing the golf club the golf course in Warnemünde is the ideal venue for you. There you can play either 9 or 18 holes. Even if you have no golf experience the taster course will help you to take your first steps.

However, Rostock also offers quieter activities, for example relaxing at the spa (yacht club Hohe Düne), where you can enjoy a massage, go for a swim or participate in the sport courses.

If you would like to enjoy an evening out we can recommend a visit to the theatre or concerts at the Collage for music and theatre. Also for children there is a lot to discover in Rostock, for instance at Children's World, a children's play at the theatre, the adventurous "climbing forest", the zoo or the bird park Marlow.

For details and prices of any of the described activities please see the list below or ask a member of the Organisation Committee.

In case you rather prefer a personal recreational programme for you or your family please see contact details of "MV – Individual" for any more information.

mv individual
Enjoy Rostock and Baltic Sea Area

THE CITY

Sightseeing tour Rostock , City tour by Bus

Departure in walking distance from Congress Venue (Warnow Apotheke)

Departure times: Tue-Thu: 11.05 hrs, 13.05 hrs; Sa-So: 11.05 hrs, 13.05 hrs, 15.20 hrs, 17.20 hrs

(Advance notification necessary.)

Harbour Tour by Boat "Blaue Flotte"

Departure in walking distance from Congress Venue at City Harbor

Duration: 100 min

Departure times: 10.30 hrs, 11.00 hrs, 11.30 hrs, 12.00hrs, 12.45 hrs, 13.15 hrs, 13.45 hrs, 14.15 hrs, 15.00 hrs, 15.30 hrs

(Advance notification necessary.)

Night Guard Tour

Departure in walking distance from Congress Venue "Petri Kirche" (Petri Church)

Departure times: Mon, Wed, Fri, So at 20.00 hrs

(No advance notification necessary.)

Beer brewery

(walking distance from Congress Venue)

Guided tours: Wed 8.00 hrs -14.00 hrs, Thu 8.00 hrs -11.00 hrs and 12.30 hrs -14.00 hrs

Duration: 45 min

Max. 25 persons per group; due to limited capacities advanced notification necessary.

SPORTS AND SPA

Golf in Warnemünde

Tel: +49 381 778 6830

Opening hours: Fri-Sun 10:00hrs-19:00hrs

Hohe Düne Spa in Warnemünde

Tel: +49 381 5040 6611

Closing event "Speedsailing"

Sail aboard original famous Volvo Ocean Racer Maxi Yachts (VO 60) with full racing equipment. No sailing skills or special clothing required.

Saturday, 22 September 2012

15.00 - 18.00 hrs

Price: 240 Euro p.p.

(limited access, please register in advance info@mv-individuell.de)

FOR CHILDREN

Kinderland (Children's World) Rostock in Roggentin

Tel: +49 38204 76840

Opening hours: Mon-Fri 14.00 hrs-19.00 hrs, Sa 10.00 hrs-20.00 hrs

Climbing Forrest Hohe Düne

Tel: +49 162 410 9349

Opening hours: Fri-Sun 10:00 hrs-19:00 hrs

Birdpark Marlow

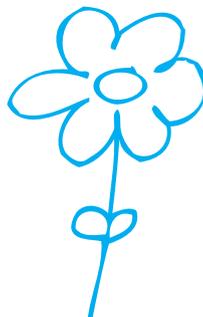
Tel.: +49 3822 1265

Opening hours: Daily 09:00 hrs - 19.00 hrs

Zoo Rostock

Special tour: +49 381 208 2215

Opening hours: Daily 9.00hrs-19.00 hrs



If you are interested in detailed information concerning Rostock's **cultural programme** please contact our congress assistance.

GENERAL INFORMATION FOR LECTURER

PRESENTATION

The duration of each presentation will be eight minutes and following discussion. The duration of Key Note Lectures will be maximum 20 minutes, of the short reports maximum four minutes including discussion.

TECHNICAL QUERY

Presentation will be done using power point only. Speakers are kindly requested to submit their presentations on USB-Stick or CD-ROM to the technical assistance latest two hours prior to their presentation. In case of video and audio files, please submit the material in sufficient time in order to prevent technical problems.

GRANTS

Original Paper in the journal of INJURY for best oral presentation EUR 1.500, EUR 500 for best oral presentation and best poster. Prizes are awarded at the Closing Ceremony by the President of the Society and the Presidents of the Congress.

Please note that award winners are asked to be present at the ceremony in order to receive the prize.

CONGRESS LANGUAGE

The official language of the congress is English.

CME CREDITS

The Scientific Programme will be accredited with 21 credits by the medical association Mecklenburg-Vorpommern. Please bring your barcodes for every congress day you take part.

GENERAL INFORMATION ABOUT ROSTOCK, INCLUDING WALKING CITY TOUR (APPROX. 1,5 H)

Welcome to the hanseatic university city of Rostock! It's a great place to holiday, live, study and research. The economic and scientific centre of Germany's North-East is very enticing, with all the atmosphere of one of the most important cities in Mecklenburg-Vorpommern in one of the most beautiful tourist areas of Germany.

Rostock is both, an old and a young city that spreads itself out along the river Warnow reaching to the Baltic Sea. Take some time to visit the historic centre which breathes Hanseatic flair. Find witnesses of North German Gothic brick architecture, churches and convents, the city wall, gates and gabled houses.

Let us guide you: Starting at the Radisson Blu Hotel, find the Kröpelin gate which was the biggest of the former 22 city gates, built in 1280. Following the "Kröpi" shopping street, you can visit the Cultural History Museum and holy cross convent. Right at the end you reach the university square,

named after the main building which was built in 1867 in Italian renaissance style. The university is one of the oldest in the Baltic region and today has 15.600 students filling the city with the flair of the youth. Opposite, the famous five-gabled house can be seen. Now keep on following the shopping street to the new market square where the 1270 built city hall can be found which unites many different building styles - find out yourself! On the left hand see the St. Marien Church which is Rostock's most important church in gothic style. Walking right you come to the House of the Estates, Stone Gate and City Wall. Behind the eastern historic centre awaits you. Walk through romantic German gothic brick houses to the St. Petri Church. Enjoy the view over the harbour from where you can walk back to the Hotel.

If you want to discover Rostock's magical coastal scene and beautiful wide sandy beaches we recommend visiting our seaside resort Warnemünde.

REGISTRATION AND ACCOMMODATION

REGULAR & ONSITE FEE

Members of GKS*: 230 EUR

Non members of GKS: 260 EUR

Residents: 160 EUR

*please find the registration form on page 29

The registration fee includes: Scientific sessions, workshops (early registration necessary due to limited number of participants), lunch and coffee breaks, opening ceremony and welcome reception, access to the industrial exhibition, free wireless LAN, delegate's bag and badge, one copy of the final programme and abstract book, certificate of attendance.

ACCOMMODATION

We are granted special fees at the Congress Hotel.
Please do the booking directly at::

Radisson Blu Hotel, Rostock

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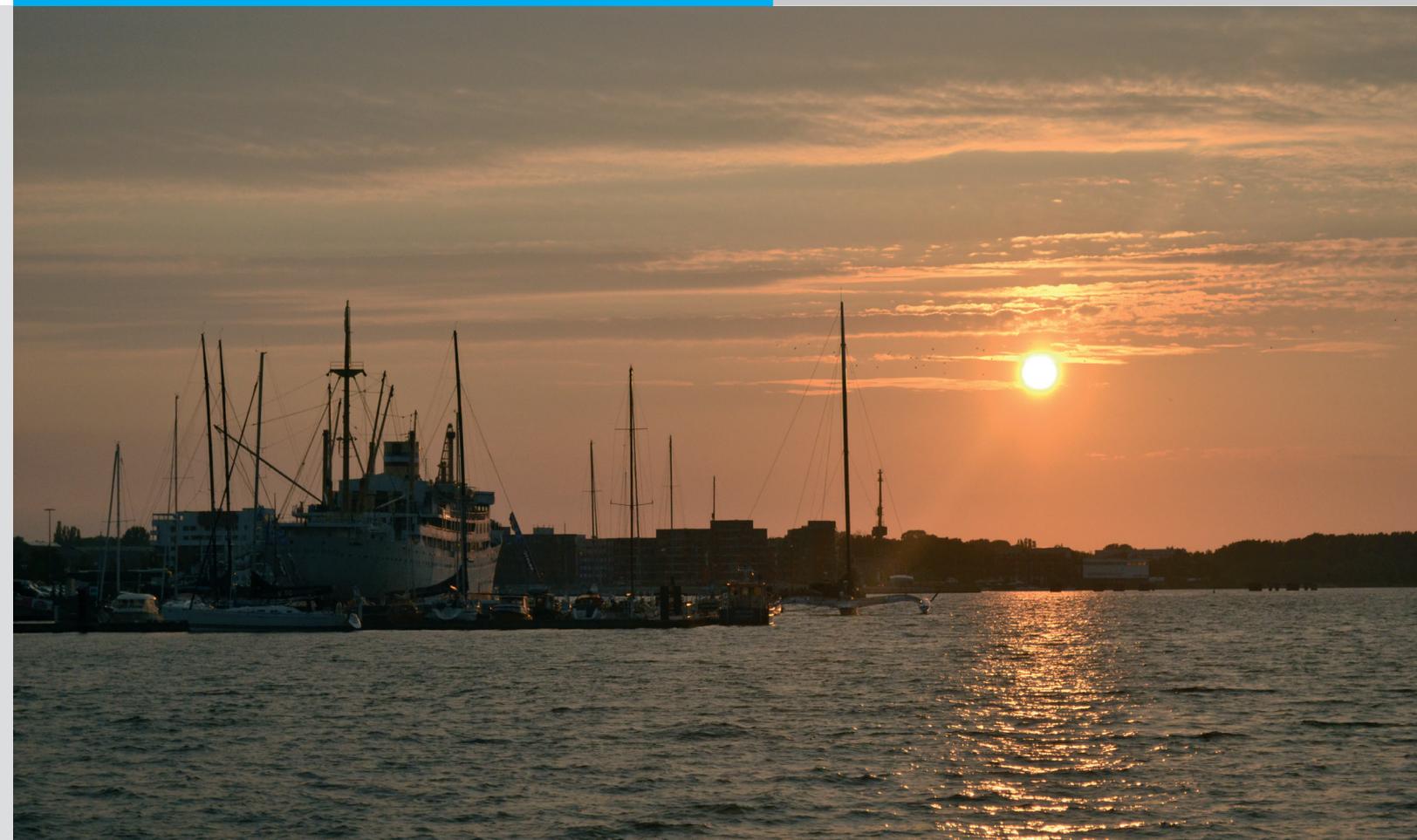
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I am applying for membership of the Gerhard Küntscher Society. (Please use international letters only ! Unreadable application will not be accepted!)

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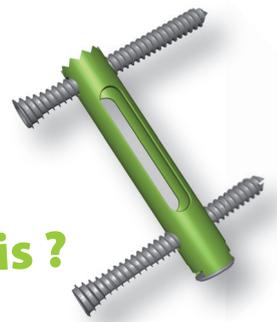
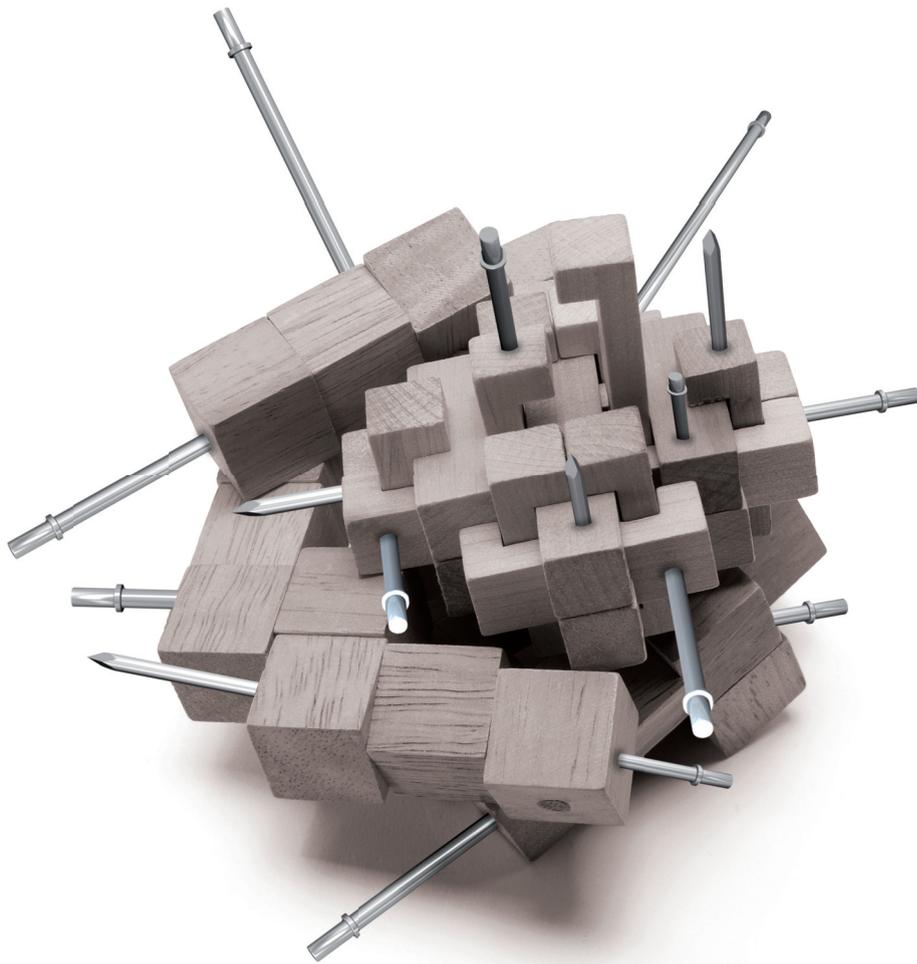
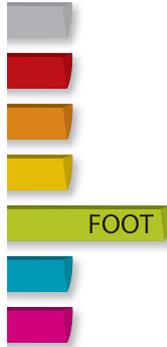
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The annual membership dues for individual members are Euro 80,00 (Residents: 40,00 The invoice will be issued by the Treasurer. Members in retirement do not have to pay the membership dues upon notice. The membership dues for corporate members are 1000,00 Euro annually. Payment can be made by credit card (PayPal), direct bank transfer or cash on Annual GKS Congress.



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