

FINAL PROGRAM

*Tufts Medical Center, Boston, USA
and Elisabethinen - Hospital, Linz, Austria
present the 10th International Symposium*

Echocardiography Today and Tomorrow

Advanced Echocardiography with Illustrative Case Studies

(More than 150 Echo Case Studies)

“The Quantitative Hemodynamic and Cardiac Function Laboratory”

June 18 - 19, 2011



no parallel sessions

Main Symposium June 20 - 24, 2011

***Conference Center
ST.WOLFGANG (near Salzburg), Austria***

Symposium Directors:

Natesa G. Pandian and H. Joachim Nesser

Web Home Page: www.cardiology.co.at

Conference Co-sponsored by the International Society of Cardiovascular Ultrasound

*Abstracts on original research or clinical experience will be considered for poster presentation;
the best abstracts will be published in the journal “Echocardiography”*

**Advanced Echocardiography
with Illustrative Case Studies**

Workshop on
“The Quantitative Hemodynamic and Cardiac Function Laboratory”
June 18 - 19, 2011

Main Symposium

June 20 - 24, 2011

Symposium Directors:

Natesa G. Pandian and H. Joachim Nesser

We want to thank the following companies who partnered with
us for this symposium

Abbott Vascular	Medtronic
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AstraZeneca	Philips Healthcare
Bayer Austria	Siemens AG
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Boston Scientific	Takeda
Edwards Lifesciences	TomTec/AGFA
GE Medical Systems	Toshiba Ultrasound

We express our gratitude to the following companies for their enthusiastic participation
in our symposium

AOP Orphan Pharm.AG	Johnson & Johnson
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GE Healthcare	Sanofi-Aventis
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Intramed	SonoSite

Faculty

USA

Aurigemina Gerald	Boston	Mankad Rekha	Rochester
Gorcsan John	Pittsburgh	Maron Martin	Boston
Kadiyala Madhavi	New York	Nanda Navin	Birmingham
Khandheria Bijoy	Milwaukee	Ommen Steve	Rochester
Kronzon Itzhak	New York	Pandian Natesa	Boston
Kuvin Jeffrey	Boston	Patel Ayan	Boston
Lang Roberto	Chicago	Siegel Robert	Los Angeles
Lingappa Amarchand	Tampa	Sengupta Partho	Irvine
Mankad Sunil	Rochester		

Europe

Adriaenssens Tom	Belgium	Mumm Bernhard	Germany
Badano Luigi	Italy	Nesser H. Joachim	Austria
Bartel Thomas	Austria	Ng Choi-Keung	Austria
Baumann Rolf	Germany	Nihoyannopoulos Petros	UK
Caselli Stefano	Italy	Pelliccia Antonio	Italy
Ebner Christian	Austria	Puererfellner Helmut	Austria
Faletta Francesco	Switzerland	Rosenheck Raphael	Austria
Galzerano Domenico	Italy	Sogaard Peter	Denmark
Huber Kurt	Austria	Tkalec Wolfgang	Austria
Kleijn Sebastiaan A.	Netherlands	Urbano Jose Angel	Spain
Lang Irene	Austria	Verheugt Freek W.A.	Netherlands
Maier Robert	Austria	Weltermann Ansgar	Austria
Massberg Steffen	Germany	Winter Siegmund	Austria
Maurer Gerald	Austria	Yen Ho, Siew	UK
Monaghan Mark	UK	Zamorano Jose	Spain
Mueller Silvana	Austria		

India

Sengupta Shantanu	Nagpur
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Saturday, June 18, 2011

Workshop

“The Quantitative Hemodynamic and Cardiac Function Laboratory”

What to measure? How to measure? What are the technical pitfalls?

What are the clinical merits? What are the drawbacks?

FACULTY

Stefano Caselli
Sunil Mankad
Itzhak Kronzon

Francesco Faletra
Natesa Pandian
Jose Angel Urbano

H. Joachim Nesser
Partho Sengupta
Jose Zamorano

AM

9:00 Onwards – Registration

PM

12:15 **Welcome**

12:30 **Session I**

Stenotic and Regurgitant Disorders:

- Stroke Output/Cardiac Output
- Stenotic Valve Gradients
- Stenotic Valve Areas by Planimetry
- Stenotic Valve Areas by Continuity Equation
- Subaortic Obstruction Gradients
- Intraventricular Gradients
- Supravalvular Obstruction Gradients
- Stress Echo Doppler Measurements
- Regurgitant Volume/Fraction by 2D/PW Doppler
- Pisa/Vena Contracta Parameters, ERO
- Shunt Volume and Ratio
- Other Hemodynamic Information from Velocity Profiles

3:00 **Coffee Break**

3:20 **Session II**

Diastole:

- Diastolic Function Parameters
(E/A Ratio, Deceleration Time, IVRT, Tau)
- Diastolic Function Parameters
(TDI Annular/Septal Velocity, E/e', Strain and Strain Rate)
- LA and RA pressures
- LA Volume, Emptying Index by 2D/3D Echo

PM

Saturday, June 18, 2011

Session III

Pulmonary Hypertension:

- Estimation of Pulmonary Artery Pressures
- Pulmonary Vascular Resistance
- RV Volume Estimation by 2D/3D Echo

6:00

Adjourn

AM

Sunday, June 19, 2011

8:30

Session IV

Valve and Chamber Quantitation:

- 2D/3D Measurements of Valvular and Annular Anatomy
- 2D/3D Measurements of Septal Defects/Rims
- 3D Volume Flow Quantitation
- 2D/3D Estimation of LV Volumes and EF
- Doppler Parameters of Systolic Ventricular Function

Session V

Ventricular Dysynchrony:

- Dysynchrony Index from Spectral Pulsed Doppler
- Dysynchrony Index from Tissue Doppler
- Dysynchrony Index from 3D Echo

10:00

Coffee Break

10:20

Session VI

2D/3D Speckle Tracking:

- Radial, Circumferential, Longitudinal Strains
- Segmental Area Change
- Twist, Torsion and Deformation

12:00

Quiz, Case Studies, Questions and Answers

PM

1:00

Adjourn

Supported by

Actelion, GE Healthcare, Philips Healthcare, Siemens, Toshiba Ultrasound

MAIN SYMPOSIUM

AM

Monday, June 20, 2011

8:00

Welcome and Symposium Orientation
Drs. H. Joachim Nesser and Natesa Pandian

Session 1

Presiding: Dr. Natesa Pandian and Dr. Gerald Maurer

8:30

Valvular Heart Disease I

Functional Cardiac Anatomy for Cardiologists – “Back to Medical School”
Presenter: Dr. Siew Yen Ho

9:00

Challenging Scenarios (Cases 1 – 9)

- Aortic Stenosis: Looks straight forward, Is it?
- Area-Velocity-Gradient Discordance in AS
- Area-Velocity-Gradient Discordance in MS
- Low Velocity AS with Depressed EF
- Low Velocity AS with Normal EF
- Subvalvular and Supravalvular AS
- One, Two, Three and Four Cusps
- Issues in Bicuspid Aortic Valve
- Special Issues in Rheumatic Mitral Stenosis
- Unusual Cases of Aortic, Mitral and Tricuspid Stenotic Lesions
- Without Stress, You Wouldn't know the Issue

Presenters and Discussants:

Dr. John Gorcsan

Dr. Roberto Lang

Dr. Robert Siegel

Dr. Shantanu Sengupta

Dr. Gerald Aurigemma

Dr. Gerald Maurer

Dr. Raphael Rosenheck

10:30

Coffee Break

Session 2

Presiding: Dr. Petros Nihoyannopoulos and Dr. Roberto Lang

11:15

Valvular Heart Disease II

Challenging Scenarios (Cases 10 – 17)

- What to measure in Valvular Anatomy in Regurgitant Lesions
- Mitral Regurgitation – Is it Moderate or Severe?
- Aortic Regurgitation – Is it Moderate or Severe?
- Best Way to Quantify Valvular Regurgitation
- It is Severe but No Symptoms – What to do? Is There a Controversy?
- Severe AS, Moderate MR – What to do?

AM

Monday, June 20, 2011

- Severe MR, Moderate AS – What to do?
- The Ventricle in Valve Regurgitation
- The Aorta in Valve Regurgitation
- LV Dysfunction – Cause or Complication?
- Without Stress, You Would Not Know the Issue
- How About the Tricuspid Regurgitation? Rheumatic and Nonrheumatic

Presenters and Discussants:

Dr. Gerald Aurigemma

Dr. Luigi Badano

Dr. Francesco Faletra

Dr. Partho Sengupta

Dr. Robert Siegel

Dr. Sunil Mankad

Dr. Jose Zamorano

PM

12:40

Lunch Break

Session 3

Presiding: Dr. H. Joachim Nesser and Dr. Robert Siegel

2:00

Valvular Heart Disease III

Exciting Therapeutic Innovations in Valve Disease

(Organized by Edwards and Abbott Vascular)

Transcatheter Aortic Valve Implantation (TAVI) 2011: Selection, Refinement and Outcome
Dr. Thomas Bartel

The MitraClip Experience: Revolution or Wrong Track?
Dr. Michael Brunner

The Role of Echocardiography
Dr. Christian Ebner

3:15

Coffee Break

Session 4

Presiding: Dr. Luigi Badano and Dr. Sunil Mankad

4:00

Echo Guidance for Valvular and Nonvalvular Intervention Issues, Guidance, Problems, Complications, Solutions (Cases 18 – 24)

- Percutaneous Valve Implantations
- MitraClip Procedure
- Perivalvular Leak Closure
- Balloon Valvuloplasty
- ASD, PFO Closure
- VSD Closure
- PDA Closure
- LA Appendage Closure
- Interventions for HCM
- Assistance for Electrophysiology Procedures
- Valve Repair

Presenters and Discussants:

Dr. Robert Maier

Dr. Roberto Lang

Dr. Francesco Faletra

Dr. Sunil Mankad

Dr. Itzhak Kronzon

Dr. Robert Siegel

5:15

“Case of the Day Quiz”

(Supported by Toshiba Ultrasound)

Monday, June 20, 2011

PM

Colloquium 1

5:30

(Organized by Boehringer Ingelheim, Daiichi-Sankyo/Lilly, Toshiba Ultrasound and Siemens)

Chairmen: Dr. H. Joachim Nesser and Dr. Jose Zamorano

**New guidelines for myocardial revascularization in ACS:
Antiplatelet therapy**

Dr. Kurt Huber

Update 2011: 3D-Strain Imaging

Dr. H. Joachim Nesser

**3D Speckle Tracking Echocardiography for Assessment of Global
and Regional Left Ventricular Function Based on Area Tracking**

Dr. Sebastiaan A. Kleijn

**Will Dabigatran Replace Vitamin K- Antagonists in
Non-Valvular Atrial Fibrillation?**

Dr. Kurt Huber

New and Novel Assessment of LV Function

Dr. Jose Zamorano

Dinner Buffet

AM

Tuesday, June 21, 2011

Session 5

Presiding: Dr. Jose Zamorano and Dr. Jeffrey Kuvin

8:30

Valvular Heart Disease IV

Other Valvular Problems (Cases 25 – 32)

- Tricuspid Valve Disease, Endocarditis and Prosthetic Valves
- Tricuspid Regurgitation – Etiology and Severity
- Tricuspid Regurgitation – When to Intervene
- Endocarditis of Native Valves
- New Burden of Endocarditis in the Interventional Era
- Prosthetic Valve – New and Old
- Prosthetic Valve Dysfunction – Echo Detection of Etiology
- Patient – Prosthesis Mismatch
- Pitfalls in the Evaluation of Prosthetic Valves

Presenters and Discussants:

Dr. Gerald Aurigemma

Dr. Partho Sengupta

Dr. Robert Siegel

Dr. Petros Nihoyannopoulos

Dr. Jeffrey Kuvin

Dr. Rekha Mankad

Dr. Domenico Galzerano

9:50

Role for CMR and CT in Valve Disease (Cases 33 – 37)

Presenters and Discussants:

Dr. Francesco Faletra

Dr. Martin Maron

10:30

Coffee Break

Session 6

Presiding: Dr. Jeffrey Kuvin and Dr. Shantanu Sengupta

11:15

Adult Congenital Heart Disease (Cases 38 – 48)

Presenters and Discussants:

Dr. Jeffrey Kuvin

Dr. Luigi Badano

Dr. Roberto Lang

Dr. Shantanu Sengupta

PM

Tuesday, June 21, 2011

12:30

Lunch Break

Session 7

Presiding: Dr. Shantanu Sengupta and Dr. Partho Sengupta

2:00

As Dimensions Increase, What do We Measure?

From M-mode to Speckle Tracking: What Parameters are of Clinical Value?
Dr. Partho Sengupta

Clinical Workflow Oriented to Mitral Valve in 3D
Dr. Bernhard Mumm

Advanced Cardiac Quantification in the Clinical Workflow
Dr. Rolf Baumann

3:10

Coffee Break

Session 8

Presiding: Dr. Natesa Pandian

4:00

**Challenging Doppler Case Studies –
We Present, You Interpret**
(Cases 49 – 60)

Presenters and Discussants:

*Dr. Itzhak Kronzon
Dr. Natesa Pandian
Dr. John Gorcsan*

*Dr. Sunil Mankad
Dr. Gerald Aurigemma
Dr. Petros Nihoyannopoulos*

5:20

“Case of the Day Quiz”
(Supported by Toshiba Ultrasound)

PM

Colloquium 2

5:30

(Organized by AstraZeneca, Philips Healthcare and St. Jude)

Chairmen: Dr. Roberto Lang and Dr. H. Joachim Nesser

The Role of Optical Coherence Tomography and Fractional
Flow Reserve Measurement in Optimizing PCI Outcomes

Dr. Tom Adriaenssens

Optimum Management of CRT Patients

Dr. Peter Sogaard

Innovations in Oral Antiplatelet Therapy in ACS-
Will Ticagrelor Change Our Daily Practice ?

Dr. Freek S.A. Verheugt

Comprehensive State-of-the-Art – Review of Real Time 3D
Transthoracic and Transesophageal Echocardiography

Dr. Roberto Lang

Dinner Buffet

AM

Thursday, June 23, 2011

Session 11

Presiding: Dr. Navin Nanda and Dr. Mark Monaghan

8:30

Heart Failure, Decreased EF (Studies 81 – 85)

- Cases of Varied Pathology
- Ischemic Heart Disease
- Non-Ischemic Disorders
- Systemic Diseases Affecting the Heart
- Utility and Pitfalls of Systolic Function Parameters
- Role of Strain Parameters by TDI and Speckle Tracking

Presenters and Discussants: *Dr. Partho Sengupta* *Dr. Navin Nanda*
 Dr. Bijoy Khandheria *Dr. Silvana Mueller*
 Dr. Ayan Patel

9:30

Heart Failure, Normal EF (Studies 86 – 90)

- Cases of Varied Pathology
- Ischemic Heart Disease
- Non-Ischemic Disorders
- Utility and Pitfalls of Diastolic Function Parameters
- Role of Strain Parameters by TDI and Speckle Tracking

Presenters and Discussants: *Dr. Petros Nihoyannopoulos* *Dr. Navin Nanda*
 Dr. Bijoy Khandheria *Dr. Steve Ommen*
 Dr. John Gorcsan

10:20

Coffee Break

Session 12

Presiding: Dr. Natesa Pandian

11:00

Athlete's Heart (Cases 91 – 95)

How to Differentiate From Pathologic Hearts? – Case Studies

Presenter: Dr. Antonio Pelliccia

Session 13

Presiding: Dr. Sunil Mankad and Dr. Ayan Patel

11:30

Heart Failure and Increased Wall Thickness
(Cases 96 – 100)

- Hypertrophic Disorders
- Infiltrative and Storage Diseases
- Ischemic Heart Disease
- Eosinophilic Syndromes
- Noncompaction

Presenters and Discussants: *Dr. Rekha Mankad* *Dr. Navin Nanda*
 Dr. Steve Ommen *Dr. Gerald Maurer*
 Dr. Bijoy Khandheria *Dr. Luigi Badano*

PM

12:30

Lunch Break

PM

Thursday, June 23, 2011

Session 14

Presiding: Dr. Steve Ommen and Dr. Gerald Aurigemma

2:00

Debate

Tissue Doppler is a Valuable Clinical Tool – It is Here to Stay

Presenter: Dr. Petros Nihoyannopoulos

Tissue Doppler is a Clinically Irrelevant Modality, It Will Fade Away

Presenter: Dr. Mark Monaghan

Discussion

Session 15

Presiding: Dr. Natesa Pandian

2:30

Just Questions and Answers – Anything You Want to Ask!

Panel:

Dr. Gerald Aurigemma

Dr. Mark Monaghan

Dr. Navin Nanda

Dr. Steve Ommen

Dr. Itzhak Kronzon

Dr. Francesco Faletra

3:20

Coffee Break

Session 16

Presiding: Drs. Natesa Pandian, Sunil Mankad and John Gorcsan

3:50

Echo Contest (Cases 101 – 116)

Competing Teams:

EUROPE

AMERICA

AUDIENCE

5:20

“Case of the Day Quiz”

(Supported by Toshiba Ultrasound)

PM

Colloquium 3

5:30

(Organized by Bayer Austria [unrestr. educat. grant], GE Medical Systems, Johnson & Johnson and MSD)

Chairmen: Dr. H. Joachim Nesser and Dr. Luigi Badano

A new kid on the block: Rivaroxaban in Clinical Situations
Requiring Therapeutic Dosages

Dr. Ansgar Weltermann

Guidance of Cardiac Interventions: Importance of Intracardiac
Echocardiography

Dr. Thomas Bartel

Rapid Conversion of Recent-Onset Atrial Fibrillation

Dr. Helmut Puererfellner

4D Strain to Assess LV Deformation and Function

Dr. Luigi Badano

Dinner Buffet

PM

Friday, June 24, 2011

Session 21

Presiding: Dr. Itzhak Kronzon and Dr. H. Joachim Nesser

2:45

Operating Room Adventures (Cases 141 – 144)

Presenters:

Dr. Steve Ommon

Dr. Bijoy Khandheria

Dr. Itzhak Kronzon

Dr. Madhavi Kadiyala

3:30

Coffee Break

Session 22

Presiding: Dr. Bijoy Khandheria and Dr. Francesco Faletra

4:00

Masses. Masses, Masses.....all kinds (Cases 145 – 149)

Presenters and discussants:

Dr. Ayan Patel

Dr. Steve Ommen

Dr. Mark Monaghan

Dr. Bijoy Khandheria

Dr. Itzhak Kronzon

Session 23

Presiding: Dr. H. Joachim Nesser and Dr. Natesa Pandian

4:45

Fascinating End-of-the-Conference Cases

(Cases 150 and more)

Presenters:

Dr. Navin Nanda

Dr. Bijoy Khandheria

Dr. Madhavi Kadiyala

Dr. Mark Monaghan

Dr. Steve Ommen

Dr. Itzhak Kronzon

5:30

Adjourn. Good Bye!

General Information

Symposium Venue:

Congress Center St. Wolfgang, Phone ++43-(0)6138-8008-20 , Fax ++43-(0)6138-203004
Hotel Scalaria (Exhibition area) Phone ++43-(0)6138-8000, Fax ++43-(0)6138-8080

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Official Opening Hours:

Saturday 18th 9:00 am – 1:00 pm, Sunday 19th 8:00 am – 12:00 pm and 5:00 pm – 6:30 pm,
Monday 20th 7:30 am – 5:00 pm, Tuesday 21st and Thursday 23rd 8:00 am – 5:00 pm,
Wednesday 22nd and Friday 24th 8:00 – 10:00 am

Exhibition area (at the “Hotel Scalaria“ opposite the Conference Center):

9.00 am until 5:00 pm (Wednesday until 1:00 pm) from Monday June 20th to Friday June 24th

Registration Fee:

Symposium (June 20-24, 2011)	Euro 600,-
Workshop on “The Quantitative Hemodynamic Laboratory”	Euro 250,-
Combined Package	Euro 650,-

Registration fee for participants includes:

- Access to all scientific events
- Lunch at the exhibition area
- Coffee/tea during breaks
- Symposium dinner and party (Wednesday)

The fee for accompanying persons for symposium dinner and party **Euro 40,-**

Registration procedure:

All registrations must be made on the registration form.

Deadline for registration: Credit Cards – June 10th, 2011
Banktransfer – June 10th, 2011

After this date only on site payment possible, nevertheless send the registration form.

Payment procedures: see the registration form.

Registration desk at the congress:

All congress documents and access badges will be handed over to the registered participants at the registration desks.

Call for Abstracts and Informations for Authors

Abstracts can be submitted online to our homepage: www.cardiology.co.at (Registration side)
OR send the abstract (Word-document) as attachment with e@mail to the Symposium Secretary.

Deadline for submission of abstracts: June 10th, 2011

Abstracts, in English only, may be submitted for poster presentation. The best Abstracts will be published in the journal „Echocardiography“.

Technical Equipment for posters: Size: 110 cm in width and 90cm in length

Pins and adhesive material will be provided. Please use letters large enough to be read from 1.5 meters distance. Poster viewing will be possible during coffee and lunch breaks. Authors of posters will receive detailed information about mounting and removal times together with the letter of acceptance.

Hotel Accommodation:

Rooms are available in all price categories. Some hotels are located in short walking distance to the Conference Center. Nevertheless early room reservation is recommended.

For further informations and hotel reservation please contact:

Agency Pro Travel:

(Mr. Haberl): Phone ++43-(0)61 38-25 25; Fax ++43-(0)61 38-30 54,

e-mail: protravel@st-wolfgang.at

homepage: www.protravel.at

Guest activities:

There are a lot of local events (e.g. concerts, operetta, folklore evening.) and sporting possibilities (e.g. tennis, squash, golf, canyoning, hot air ballooning, keep fit training area, climbing, watersports ...)

For detailed informations call Kurdirektion St.Wolfgang.

Travel to St. Wolfgang

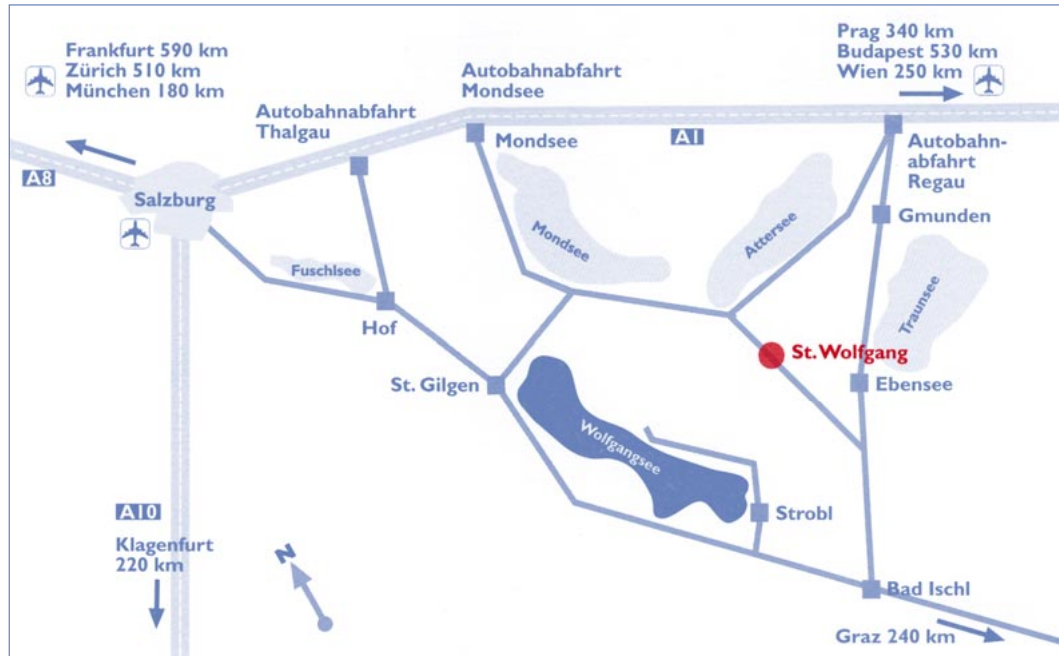
Air transport: arrival at airport Salzburg or Munich. From Salzburg airport there is a shuttle bus service to the main train station (bus No. 77).

By car: motorway A1 („Westautobahn“) – see the graph.

By train: to Salzburg main train station (than take the bus).

By bus: from the main train station take busses to “St.Wolfgang” – you have to change in Strobl. Price approx Euro 10.–.

For individual shuttle service please contact the Pro Travel agency. (see above)!



Be responsible for the contents: Natesa G. Pandian and H. J. Nesser, A 4020 Linz. Subject to alteration! Printed by Wambacher A 4070 Eferding.



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