

Programme on
“Geometry and Relativity”
July 17 – September 8, 2017

organized by

Robert Beig (U Vienna), Piotr T. Chruściel (U Vienna), Michael Eichmair (U Vienna), Gregory Galloway (U Miami), Richard Schoen (UC, Irvine), local organization: Tim-Torben Paetz (U Vienna)

Summer School: Between Geometry and Relativity
July 17 – 21, 2017

• **Monday, July 17, 2017**

08:30 – 09:30 **Opening and Registration**

09:30:00 – 10:30 **Justin Corvino**

Constructing initial data for the Einstein equations 1

10:30 – 11:00 *Coffee / Tea Break*

11:00 – 12:00 **Justin Corvino**

Constructing initial data for the Einstein equations 2

12:00 – 13:00 **Lan-Hsuan Huang**

Positive energy theorems 1

13:00 – 14:30 *lunch break*

14:30 – 15:30 **Lan-Hsuan Huang**

Positive energy theorems 2

15:30 – 16:00 *Break*

16:00 – 17:00 **Marie-Anne Bizouard**

Making waves 1

• **Tuesday, July 18, 2017**

09:00:00 – 10:00 **Justin Corvino**

Constructing initial data for the Einstein equations 3

10:00 – 10:30 *Coffee / Tea Break*

10:30 – 11:30 **Michael Eichmair**

Positive energy theorems 3

11:40 – 12:40 **Michael Eichmair**

Positive energy theorems 4

12:40 – 14:00 *lunch break*

14:00 – 15:00 **Greg Galloway**

Topology & general relativity 1

15:00 – 16:00 **Poster Session & Break**

16:00 – 17:00 **Marie-Anne Bizouard**

Making waves 2

• **Wednesday, July 19, 2017**

09:00:00 – 10:00 **Justin Corvino**

Constructing initial data for the Einstein equations 4

10:00 – 10:30 *Coffee / Tea Break*

10:30 – 11:30 **Richard Schoen**

Positive energy theorems 5

11:40 – 12:40 **Richard Schoen**

Positive energy theorems 6

12:40 – 14:00 *lunch break*

14:00 – 15:00 **Greg Galloway**

Topology & general relativity 2

15:00 – 16:00 **Poster Session & Break**

16:00 – 17:00 **David Fajman**

Dynamics of general relativity 1

• **Thursday, July 20, 2017**

09:00:00 – 10:00 **David Fajman**

Dynamics of general relativity 2

10:00 – 10:30 *Coffee / Tea Break*

10:30 – 11:30 **Richard Schoen**

Positive energy theorems 7

11:40 – 12:40 **Richard Schoen**

Positive energy theorems 8

12:40 – 14:00 *lunch break*

14:00 – 15:00 **Greg Galloway**

Topology & general relativity 3

15:00 – 15:30 *Break*

15:30 – 16:30 **David Fajman**

Dynamics of general relativity 3

• **Friday, July 21, 2017**

09:00 – 09:30 **David Fajman**

Dynamics of general relativity 4

09:30 – 10:00 *Coffee / Tea Break*

10:00 – 11:00 **Richard Schoen**

Positive energy theorems 9

11:10 – 12:10 **Richard Schoen**

Positive energy theorems 10

12:10 – 13:30 *lunch break*

13:30 – 14:30 **Greg Galloway**

Topology & general relativity 4

14:30 – 15:00 *Break*

15:00 – 16:00 **Stefan Gillessen**

The black heart of our galaxy 1

16:10 – 17:10 **Stefan Gillessen**

The black heart of our galaxy 2

All talks take place at the Lise Meitner Lecture Hall, 1st floor, Faculty of Physics, Strudlhofgasse 4/Boltzmannngasse 5, 1090 Vienna!