Lecture Week No. 3

Experimental Lectures	Thermal Noise **Danzmann**	Thermal Noise **Danzmann**	Quantized Fields **Schnabel**	Squeezing of light **Schnabel**	Optomechanics and QND **Schnabel**
Astrophysical Lectures	Massive black holes in the Universe: formation, evolution and gravitational waves **Sesana**	Star formation and evolution, including end point: WD, SNe -> NS, BH **Babak**	Pulsars (isolated and in binaries). Binary evolution: Roche lobe, accreting systems. NS, BH binary populations **Babak**	Massive black hole dynamics **Amaro Seoane**	Presentations **Experts** **Bernard Schutz, Stanislav Babak, Pau Amaro Seoane, Alberto Sesana, Krishnan Badri, Roman Schnabel, Michèle Heurs, Benjamin Sheard**
Project Work	Project work in groups **Experts** **Bernard Schutz, Stanislav Babak, Pau Amaro Seoane, Alberto Sesana, Krishnan Badri, Karsten Danzmann, Roman Schnabel, Michèle Heurs, Benjamin Sheard**	Project work in groups **Experts** **Bernard Schutz, Stanislav Babak, Pau Amaro Seoane, Alberto Sesana, Krishnan Badri, Roman Schnabel, Michèle Heurs, Benjamin Sheard**	Project work in groups **Experts** **Bernard Schutz, Stanislav Babak, Pau Amaro Seoane, Alberto Sesana, Krishnan Badri, Roman Schnabel, Michèle Heurs, Benjamin Sheard**	Project work in groups **Experts** **Bernard Schutz, Stanislav Babak, Pau Amaro Seoane, Alberto Sesana, Krishnan Badri, Roman Schnabel, Michèle Heurs, Benjamin Sheard**	Presentations **Experts** **Bernard Schutz, Stanislav Babak, Pau Amaro Seoane, Alberto Sesana, Krishnan Badri, Roman Schnabel, Michèle Heurs, Benjamin Sheard**