Session 18

MEDICAL MATHEMATICS AND COMPUTING

Organisers: Robert Gilbert (Newark), Juri Rappoport (Moscow), Vladimir Yakushev (Moscow)

August 05 / 2013, Room 309

14:30--15:00
Robert Gilbert

15:00--15:30
Vladimir Yakushev (by Juri Rappoport), Biomechanical model of the human eye on the base of nonlinear shell theory

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15:30--16:00
Eva Voronkova, Finite element modelling and statistical analysis for applanation tonometry after refractive surgery

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16:00--16:30
Cofee break

16:30--17:00
Konstantin Kotliar, Retinal pulse wave velocity assesment for in-vivo estimation of retinal arterial stiffness

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17:00--17:30
Juri Rappoport, Some ophthalmic applications of modified Bessel functions

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