

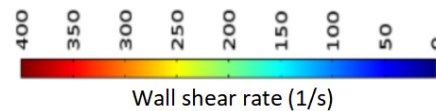
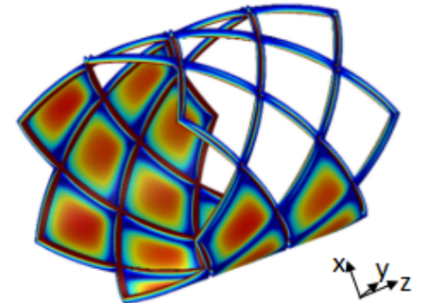
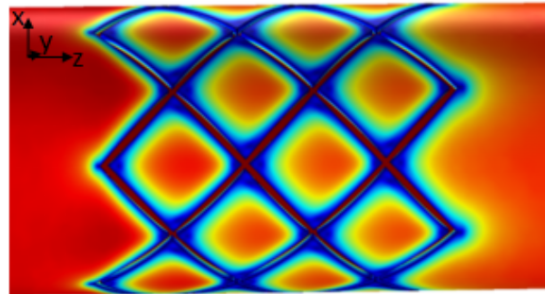


Ingénierie des Fluides  
Systèmes Energétiques

FÉVRIER

27

Grand  
Amphithéâtre  
14h-16h



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## Modeling control parameters of pulsed flow through a stent

Based on the context of cardiovascular disease, the treatment of stent to arterial stenosis has aroused great interest. Confronting the complications such as restenosis, thrombosis and strokes, a better understanding of physical mechanism and stent optimization are required necessarily. Therefore, our aim is to study the hemodynamics of human body in order to avoid the alterations caused by the stent. Particular interest will be given to the active stent, especially the drug transport into the lumen and tissue.