## Low-cost Science



THE EUROPEAN NETWORK FOR SCIENCE TEACHERS

## Zoltán SEBESTYÉN, Imre SÁNTA | Pallace of Miracles | Pécs, Hungary Shockings Experiments Step Voltage Model with LED



Ignoring the step voltage, the torn power lines, and thunderbolts causes every year a lot of electric accidents and death. During storm it is not allowed to play football in soccer field, to be in shallow water, to stand under a single tree, to go next to a torn power line, or step away from it's nearby.



What is step potential?



We want to call the student's and teacher's attention on these things, with Our step voltage model.





The LED sings in the small wireman's hand, when we would get electic shock.





## **Conclusion:**

Through the model you can see, how to avoid an electric shock. We rely on that with this **we can save people's lives!** 

http://netmag.hu/villamcsapas-rekordok/

http://www.vilaglex.hu/Lexikon/Html/Lepesfes.htm

http://www.esgroundingsolutions.com

http://energyzee.blogspot.hu/2015/03/lightning-misery-causing-mystery.html

