



**NeuroLab Joint Stock Company**

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IBM Research Center

Dear Sirs:

We have gathered information published on Your company's website [www.almaden.ibm.com](http://www.almaden.ibm.com) and <http://www-5.ibm.com/es/press/fotos/ciencia/> concerning the directions of research and elaboration conducted by IBM's divisions. Our company's activity meets some of the actual problems claimed by IBM. Particularly, one of the trends of your consideration and activity is "emotion mouse" that monitors people's physical and emotional state together with giving simultaneous feedback. Emotional condition is tracked by estimation of skin temperature, heart rate, and hand movements, along with the electrical conductivity of the user's skin.

For many years our company has also been involved in this problem, moreover we have elaborated and successfully promoted appliances and software that are similar to "emotion mouse". During the last two years it has been widely utilized for pre-shift control in electrical and nuclear power engineering, and by other organizations in Russia where pre-shift control is required. Performance of the complex is: (1) a computer mouse with built-in sensors that register heart rate's parameters, galvanic skin response, and electrical skin resistance, and (2) electronic units and software that automatically register and evaluate physiological parameters of operative personnel. The complex may also be used for:

- lie-detection
- sports medicine
- writing psychological portraits
- detecting suicidal tendencies and drug addictions
- personnel selection
- stress and adaptation assessment, etc.

On being registered the signals are automatically operated by a program-instrumental complex, and the results are displayed or digitally operated further by other programs for creating feedback.

If You find the results of our activity interesting for You, and if You have any questions or suggestions, please, feel free to contact us by the following means:

E-mail: [info@neurolab.ru](mailto:info@neurolab.ru)

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Thank You for Your consideration.

Yours faithfully, Tatiana Rozinkova Assistant manager.