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The Development of Training Simulator in Factory Automation

Yasunori NISHIMI

At the systems control concerning factory automation, the representations of control subjects have been used the relay circuits. The representations of these circuits, however, have often been done through experience for lack of theoretical methodologys. Moreover, in the new complexed systems, maintenance becomes difficult because of the reasons why the circuits can not describe the dynamic relations of the systems.

So, we developed a computer simulator using a new model which allows a system to be synthesized and analyzed theoretically. As the results of some simulations concerning the problems which occur in practical manufacturing automation systems, we have conformed that this simulator is effective to recognized these problems by computer.

A Viewpoint of Research for the Demands for Upgrading-Training
~the Study of Training Course : Straining by Hand-Work~

Tetsuro OBARA

Tatsuhiko SAKAMOTO

To respond to the demands for upgrading-training, it isn't enough to cope with the technological innovation. The old technique which is practical today, in spite of the importance in the field of production, has in many cases difficulty in its maintaining. Training institute is to supply a lot of upgrading-training courses which respond to these demands.

In this paper we analyse the demands for the course "Straining by Hand-work", which is carried out by Saitama Skill Development Center, and make the significance of this course clear.

On a Consciousness Survey of Vocational Training Instructor

Ikuo KITAGAKI

We here propose a needs-survey, and report the content and its result. Many information techniques have been used in work, daily life and educational training. In vocational training too, it is desirable to consider how the educational training should be in this information society and technological society. Thus, we designed a questionnaire which was forwarded to the instructors in vocational training facilities in order to obtain the basic data for it. The relevant instructor trainings have been done in our training center and the basic data will help to develop the relevant curriculum.

Research Progress and Future Subjects on Education (Upgrading-Training) for Workers

Yasunobu NAGASE

Over fifteen years have passed since upgrading-training was implemented in vocational training institutions.

Along with in technological innovation, structural changes in industry, and an aging of workers, an imbalance has arisen between labour demand and supply in various industrial and vocational fields, in terms of area and age. Furthermore, there has been the growing need for establishing systematic structures for life time development of human resources.

By studying past reports and other materials, we try to determine how vocational institutions should act in response to those problems.

The Performance and Role of The Public Training
Institutions in The Metropolitan Area

~ Focus on The Performance of
The KANAGAWA Skill Development Centre ~

Yasunobu NAGASE
Ken'ō HAMAMOTO

Staff in vocational training institutions are trying to provide opportunities for the development of vocational skills at various stages of a worker's career.

Kanagawa Skill Development Centre (SDC) has recently been concentrating on "Upgrading Training" rather than on "Occupational Capability Redevelopment Training".

We have attempted to report on the activities of the efforts and trials made in Kanagawa SDC to determine necessary actions on human resources development as a public training institution in the metropolitan area.