

*Future - Applied Conventional  
Technology Center*

**「Learn the traditional technology with appreciation」**

*“Using wisdom existing in the tradition technology*

*Creating new products*

*Opening the future of Japan”*

**To compound the new technology with the traditional technology is to follow the excellent reputations, emerge the Japanese culture, respect predecessor’s great achievements.**

*Future-Applied Conventional Technology centre*



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# 1. Development of Advanced Material From Traditional fibers

## (1) Basic (tradition technology and analysis researches)

- String of hand drum (Material, construction and function)
- Making of bamboo fiber (Characteristics of material and manufacture)
- Structure and characteristic of pushing up string



- Clarification of how to make string of KABUTO

## *(2) Development ( application and base researches)*

- Crush can as automotive element fabricated by braiding



**Crash can**

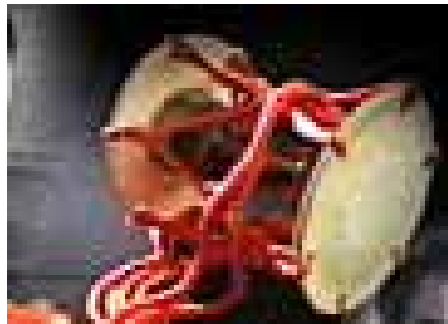
- Injection molding of biodegradability cloth fabricated by weaving
- Curved surface molding applied from belt weaving technology
- Application of circular knitting fabric in mouth

## *(3) Application (practical usage)*

- Practical usage of thermoplastics composite materials as automotive elements

## ***2. Clarification of Traditional Skill and Technology By Analysis of Tradition Skill Person's Operation***

- Analysis of Kyoto bow maker's operation
- Clarification of craftsmanship by analysis of movement of winder
- Analysis of the operation of twisting the examination cord of the hand drum



## ***3. Development of Molding Technology of Metallic Board Using Smithery Technology***

- Clarification of deformation mechanism of metallic board during molding and development of new molding method
- Development of wood processing method that pays attention to the components

#### ***4. Development of Scientifically Analysis Technique of Organic Quality Cultural Relic***

#### ***5. Development of Dyeing and Weaving Technology of Traditional Natural Dye***

- Research of traditional indigo dye ( analysis research of traditional technology
- Dyeing research of Ink-Jet digital printing system





<http://www.ipc.kit.ac.jp/~fibro2/mirai/>

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