# Development of Smartphone Application
# "Children's Own Museum"
## as an Element of Family Portfolio

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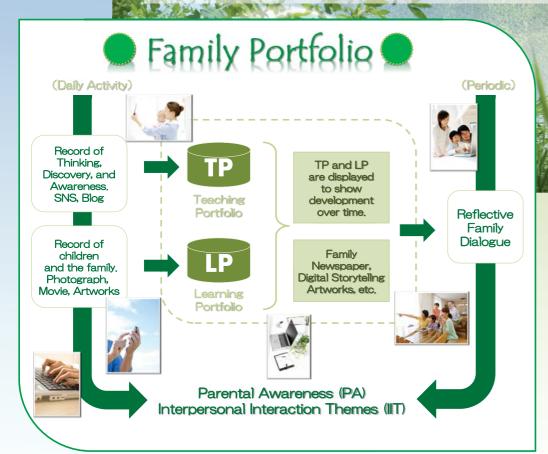konno@switch-etm.com

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Abstract:
The authors developed a smartphone application called "Children's Own Museum," intended to compose a part of a family portfolio. The application includes a function to store pictures of objects designed by children, under the principle that it is important to record objects made by children as well as their pictures. A function to view works according to a timeline and a function to confirm the process of creating works were also implemented. Parents can record not only their children's works but also their own works, and by doing so can promote communication among family members. These functions will help users grow and develop as a family and will improve "parental awareness" and "interpersonal interaction themes."

## Family Portfolio

(Daily Activity)

(Periodic)

**Record of Thinking, Discovery, and Awareness. SNS, Blog**

**TP** — Teaching Portfolio

**Record of children and the family. Photograph, Movie, Artworks**

**LP** — Learning Portfolio

TP and LP are displayed to show development over time.

Family Newspaper, Digital Storytelling Artworks, etc.

**Reflective Family Dialogue**

**Parental Awareness (PA)**
**Interpersonal Interaction Themes (IIT)**

## Children's Own Museum

**1. Start-up window**

Children's Own Museum is developed for smart phones. It relies on the smart phone's embedded camera.

**2. All works of all family members**

All works are displayed, organized by registered member.

**3. Works of a particular family member**

Upon selecting a work, the details of the work will be shown.

**4. Screen to post pictures**

A user selects from among the stored pictures in his/her smart phone to get a larger picture of the work.

**5. Screen to post comments**

A user inputs title and/or comments: why and where he/she produced the work, what it is, how he/she feels about it, etc.

**6. Screen to post works**

A user can post multiple pictures of a work, for example, pictures taken from the front, back, and sides.