



2007



ISJインクジェット技術部会主査



Johann Gutenberg Prize



1985

1990

2004

2008

2016

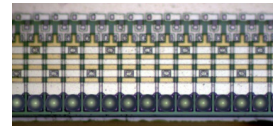
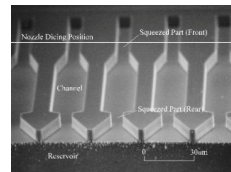
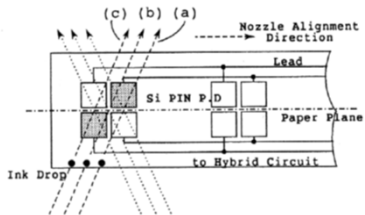
2019

2024

Continuous Ink Jet

Thermal Ink Jet

Applications of Ink Jet



Single Drop Detector

M. Fujii, Optical Drop Sensor of Continuous Ink Jet Printer, 19th Imaging Technology Conference, 1988

800dpi MEMS Printhead

M. Fujii, New Thermal Ink Jet Printhead with Improved Energy Efficiency Using Silicon Reactive Ion Etching, The Journal of Imaging Science and Technology, Vol. 43, No. 4, 1999

Micro-Lens Array

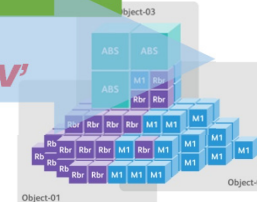
M. Fujii, Issues and Approaches Imposed on Ink Jet for The Progress of Printed Electronics, Transactions on Japanese Society of Electronics Packaging, Vol. 33, No. 1, 2010

3D Printing

3D Data Handling

Voxel-Based 3D Data Format 'FAV'

M. Fujii, New Voxel-Based Data Format FAV for Seamless 3D Data Flow to 3D Printers, IEEE CPMT Society Japan Chapter Workshop on Functional 3D Additive Manufacturing (2016)



4DFF

4D (FF)

M. Fujii, 4D and Functional Printing - The Creation of New Values beyond Dimensions - , Journal of the Imaging Society of Japan Vol. 58 No. 4, 2019

2D

2.5D

3D



IS&T AWARD

JOHAN GUTENBERG PRIZE 2019

MASAHIKO FUJII
Fuji Xerox

for great achievements and contributions to inkjet technologies and the evolution of these concepts to 3D technologies.

For great achievements and contributions to **inkjet technologies** and the evolution of these concepts to **3D technologies**.

Johann Gutenberg Prize (2019)

