Journal of the Japan Society for Precision Engineering Vol.85 No.3 March 2019

3D Digitization Technologies and Practical Applications in Various Industrial Fields

Review
as-built Modeling Technologies of Large-Scale Environments and Their Applications
Satoshi KANAI······217
Lecture
New Technology on 3D Point Cloud by Laser Measurement of Various Platforms
Toshiaki SATOH, Toru YOTSUMATA and Koji MANO223
■ Maintenance Management of Transportation Infrastructure Utilizing 3D Point Cloud
Junko YAMASHITA, Sachi KIMURA and Hinari KAWAMURA228
■ Smart Precision Forestry Using Laser Sensing
Masato KATOH, Songqiu DENG, Yuki TAKENAKA, Kwaion CHEUNG,
Masahiko HORISAWA, Katsumasa OONO and Takaaki ITO232
■ Spectral and 3D Measurement by Drone-Based Remote Sensing of Farmland
—Geo-Information for Smart Farming— Yoshio INOUE and Masaki YOKOYAMA ·······236
■ Applications of 3D Digital Technologies to Geomorphology and Archaeology
Vuichi S HAVAKAWA243
Yuichi S. HAYAKAWA······243
My Experience in Precision Engineering
My Experience in Precision Engineering Tamio ARAI 253
My Experience in Precision Engineering Tamio ARAI
■ My Experience in Precision Engineering Tamio ARAI 253 ■ Gravure & Interview TOPCON CORPORATION 213
My Experience in Precision Engineering Tamio ARAI Gravure & Interview TOPCON CORPORATION Mitsutaka NAKAMURA Interview : Sachio KOBAYASHI
My Experience in Precision Engineering Tamio ARAI Gravure & Interview TOPCON CORPORATION Mitsutaka NAKAMURA Interview : Sachio KOBAYASHI Introduction to Precision Engineering Development of Atomic Force Microscopy for Atomic-Scale Measurements at Solid-Liuqid Interfaces/Takeshi FUKUMA
My Experience in Precision Engineering Tamio ARAI Gravure & Interview TOPCON CORPORATION 213 Mitsutaka NAKAMURA Interview : Sachio KOBAYASHI Introduction to Precision Engineering Development of Atomic Force Microscopy for Atomic-Scale Measurements at Solid-Liuqid Interfaces/Takeshi FUKUMA 247
My Experience in Precision Engineering Tamio ARAI Gravure & Interview TOPCON CORPORATION 113 Mitsutaka NAKAMURA Interview : Sachio KOBAYASHI Introduction to Precision Engineering Development of Atomic Force Microscopy for Atomic-Scale Measurements at Solid-Liuqid Interfaces/Takeshi FUKUMA 247
My Experience in Precision Engineering Tamio ARAI Gravure & Interview TOPCON CORPORATION 213 Mitsutaka NAKAMURA Interview : Sachio KOBAYASHI Introduction to Precision Engineering Development of Atomic Force Microscopy for Atomic-Scale Measurements at Solid-Liuqid Interfaces/Takeshi FUKUMA 247
My Experience in Precision Engineering Tamio ARAI Gravure & Interview TOPCON CORPORATION 113 Mitsutaka NAKAMURA Interview: Sachio KOBAYASHI Introduction to Precision Engineering Development of Atomic Force Microscopy for Atomic-Scale Measurements at Solid-Liuqid Interfaces/Takeshi FUKUMA 247 Introduction of Laboratories Kumai-Muraishi Laboratory, Department of Materials Science and Engineering, School of Materials and Chemical
My Experience in Precision Engineering Tamio ARAI
My Experience in Precision Engineering Tamio ARAI
My Experience in Precision Engineering Tamio ARAI

Paper

Catalog Mining Using MIC (Maximal Information Coefficient) of Radius End Mill Tool	260
Taishi SAKUMA, Toshiki HIROGAKI, Eiichi AOYAMA, Kengo KUBO and Hiroyuki KOD	OAMA
A Study on Rapid Reverse Engineering of Castings	267
—Generation of Beautified Solid Models with Surface Properties Based on the Separation Surfaces—	tion of Casting and Machining
Akihisa URATA, Hiroaki DATE, Satoshi KANAI, Takayuki GOTOH and Seiki YASUDA	
■ Vehicle Trajectory Estimation Method by Drive Recorder Images and Point Cloud of Surround	ding Environment ———— 274
Akiyoshi KUROBE, Hisashi KINOSHITA and Hideo SAITO	
An Adjustment Method of Cut-off Frequency of Low Pass Filter through Engineering Interpre to Magnetic Bearings	tation of Tracking Filter Applied
Daishi SAITO and Shinji WAKUI	
Study on Thermal Contact Conductance in Vacuum	290
—Effect of Surface Roughness on Contact Surface—	
Takumi TANDOU Kahai TAKEI and Caku MINOPIKAWA	

*The journal papers listed above are published on J-STAGE (Japan Science and Technology Information Aggregator, Electronic).

https://www.jstage.jst.go.jp/browse/jjspe/-char/en/

This printed material does not include these papers.