

Academic Presentation

The Development of Innovative Three-way Catalysts via Solvothermal Reactions
Sato Lab

Supercritical Fluid Technology -Cleaning, Functional material preparation-
Inomata Lab

Synthesis of Hybrid Nano-Particles and Application to Functional Materials
Muramatsu Lab

Fabrication and OSC Property of Oriented Fe-based Complex Oxide Grains by Microwave Irradiation
Takizawa Lab

New catalyst for automobile using organic-inorganic Hybrid nanoparticles
Adschiri Lab

Synthesis of Ceria Nanoparticle-Assembled Hollow Mesoporous Silica Composite Particles
Mikio Konno Lab

Catalysis for conversion of next-generation resources
Tomishige Lab

Next-Generation Advanced Mobility System
New Industry Creation Hatchery Center

Motor Technology for Next Generation Automotive
Ichinokura/Nakamura Lab

Recycling Technologies for End of Life Vehicles
Nakamura Lab

Automation of physical distribution and traffic using robot technology
Tadokoro Lab

System Robotics Laboratory
Kosuge/Kinugawa/Wang/Hirata Lab

Applying Robot Technologies to Design of Next-Generation Car
Uchiyama Lab

Frontier of Wireless Power Transmission
Matsuki/Sato Lab.

Development of In Situ Measurement Techniques for Lithium-ion Batteries
Kawamura Lab

Development of Thermal Barrier Coating for Black Automobiles
Maruyama/Komiya/Okajima Lab

Development of Novel Hydrogen Storage Materials

Orimo Lab

Nanoscale Imaging of Living Cells using Nano-Scanning Electrochemical Microscopy

Matsue Lab

All-Solid-State Lithium Battery by using LiBH₄

Takamura Lab

Development of functional nano-eco materials for energy and environment in the environmentally benign systems

Tohji Lab

Development of Energy Device Material

Honma Lab

Green nanodevice by super low damage process

Samukawa Lab

Core Technology Consortium for Advanced Energy Devices

Samukawa Lab

Manufacturing Technology of Automotive Power Semiconductors

Sugawa/Ohmi Lab

Development of Combustion Sensor with Shaped Piezoelectric Crystal

Yoshikawa Lab

Nanotechnology Platform : Structural Analysis

Toyohiko Konno Lab

Ultra-low Friction Technology Area, Tohoku Innovative Materials Technology Initiatives for Reconstruction (TIMT)

Kurihara Lab

Development of Non-destructive Evaluation Technology and Functional Friction Materials for Safety/Relief and Energy Saving

Takagi/Uchimoto Lab

Manufacturing industry based on science and technology to establish a safe and secure society

Shoji Lab

Creation of Advanced Mechanical Systems by Control of Nanointerface

Adachi/Takeno Lab

New Solid-State Joining Processes for Automotive Industry

Kokawa Lab

Advanced Manufacturing Technology Utilized Nano-Precision Machining

Kuriyagawa Lab

Development of Innovative Casting Technology

Anzai Lab

Effect of Build Angle on Tensile Property of Inconel 718 Fabricated by Electron Beam Melting (EBM) Process

Chiba Lab

Suppression of Crack Initiation of Metallic Materials by Using a Cavitating Jet in Air

Soyama Lab

Ultra Low Power Consumption Display for Next Generation Automotives: Spatially Imaged Iris-plane Head UP Display

Uchida Lab

Image Sensing Technology Breaking the Limit of Pixel Resolution

Aoki Lab

Future Created by Computer Vision

Okatani Lab

Functional Brain Imaging Prompts Innovations in Next-generation Automobiles

Kawashima Lab

Establishment of Minimally Invasive Cell Therapy for Diabetes by Introducing Interdisciplinary Approach

Goto Lab

MEMS Based Safety Systems for Automotives

Esashi Lab

High speed micro thermal imaging system using temperature sensitive paint

Tanaka Lab

Production of Low-Cost and Highly Functionalized Titanium by Controlling the Light Elements

Narushima Lab

Potential of Alternative Fuel Vehicle: Analysis of Disaggregated Cost Benefit

Managi Lab

Multiscale, Multiphysics Modeling/Simulation for Next Generation Automobiles: Catalysts, Tribology, and Batteries

Miyamoto Lab

Drag Reduction Mechanism of an Automobile with Inside-Fin Tires

Obayashi Lab

A Concept of Automobiles Aerodynamic Testing using the 1-m MSBS in Tohoku University Low Turbulence Wind Tunnel

Obayashi Lab

Industrial Presentation

Automotive Industry Support using ITIM's Open Equipment

Industrial Technology Institute, Miyagi Prefectural Government (ITIM)

An accelerator·synchrotron·superconductivity· research facility high-precision constant current power supply

Kudo Electronic Co., Ltd.

Industrial labor-saving machinery·Hikichi Seiko automatic machine

Hikichi Seiko Co., Ltd.

To a company making “only one”

Tohoku Electronics Co., Ltd.

In a development early stage the proposal of the die-casting form which considered quality cost by original casting technology

Iwaki Diecast Co., Ltd.

Color anodized

Kyowa Aluminum Industry Corporation

Plating Business

Toho Mekki Co., Ltd.

From Yamagata, we aim to technological innovation of noise filter coil

Ueno Co., Ltd.

We'll make Zinc alloy, Aluminum, Die-cast prototype, Casting parts machining of 500g or less!

Horio Seisakusho Co., Ltd.

Challenge to The State-Of-The-Art Image Processing & Next Generation Vehicles

Tohto C-tech Corporation

Venture Capital for Innovation in Tohoku

Tohoku Innovation Capital Corporation

Contributing to the field of Automotive Electronics with Optical Technology

Hamamatsu Photonics K.K.

Create our future

Miyagi Kasei Co., Ltd.

We provide you the best solution with the highest technology

Daisho Denshi Co., Ltd.

Car Sharing System for Electric Vehicles

Toyota Tsusho Corporation

Inflection line matching algorithm “Advanced defect detection technique for painting on mirror surface by image processing”

By three projects corporation

We’ll provide “New familiar Hybrid”

Mycar-Plaza Corporation

Auto industry support through technology seeds

AKITA Industrial Technology Center

"LNG-DDF”, Main figure in the shale gas revolution

Hana Engineering Japan Co., Ltd.

To provide our customers with the added value different from the other companies based on innovate material

NEC Tokin Corporation

Towards a leading manufacturer of next generation

Ricoh Industry corporation Tohoku plant

Searches for five senses functional sensing

Miura Sensor institute corporation

From planning, designing to manufacturing, valuation, servicing of electronic devices

KTec Co., Ltd.

We propose an image inspection system of world-class

Inspec Inc.

Supported by high technology business that value

Altech Corporation

The goal of "technology-oriented company," We aim to meet precise and quick to your needs a "manufacturing".

MG corporation

“Complete Support” for Miyagi Industry

Miyagi Organization For Industry Promotion

Analysis/evaluation, investigation, and analysis technology for next-generation automobiles

JFE Techno-Research Corporation

We will support the manufacturing enterprise

The 77Bank, Ltd.

Efforts to the automotive industry promotion in Akita

AKITA Prefecture Department of Industry and Labor

The AKITA Center to Implement Vigorous Enterprises

Next generation hydrogen production process can realize Hydrogen Energy Society
Renaissance Energy Research Corporation

We can deal with mass production press process, precision machine process, mold planning, production, labor saving machine planning, processing, assembling, and so on.

Iwanuma-Seiko Co., Ltd.

High thermal conductivity silicon nitride substrate, heat sink material
JAPAN FINE CERAMICS CO., LTD.

" Iwate Center of Development for the Novel Human- and Eco-friendly Vehicles "
Regional Innovation Strategy Promotion Project
Iwate Industry Promotion Center

Reinvention of our eco-friendly molding factory
Plamoul Seiko Co., Ltd.

Challenge to the frontier companies in the field of magnetic transmission
Prospine Co., Ltd.

Our Key word is Speed! We aim for competitive manufacture.
KYOYU Co., Ltd.

Embossed carrier tape and electronic component manufacturing
OKURA Industry Co., Ltd.

SME Innovate in Next-Generation Automobiles
Aster Co., Ltd.

Automotive Components and Systems
ALPS ELECTRIC CO., LTD.

Efforts for embedded industrial promotion of Miyagi prefecture
META:Miyagi Embedded Technology Association

Pursuing the Ultimate Cross-media Advertising.
ADOX CO., LTD.

Development of Industrial & Creative Vitality
Miyagi Industrial Association

International Presentation

National Centre for Catalysis Research (NCCR)
Parasuraman Selvam