**Appendix III: Tentative Topics of The 18th Silicone Fine Chemicals Conference**

**Sub-Forum 1: HTV Silicone Rubber**

China’s Silicone Rubber Market Status and Development Trend

Influence of Metal Oxides on the Heat Resistance of HTV Silicone Rubber

Thermal Aging on the Breakdown and Trap Distribution Characteristics of Silicone Rubber

Study on Aging Phenomenon and Evaluation Method of Composite Insulator Applied HTV Silicone Rubber

Study on the Formula of High Temperature Resistant Silicone Rubber

Influence of Titanate Coupling Agent and Silane Coupling Agent on the Aging Resistance of HTV Silicone Rubber

Research on Highly Conductive Silicone Rubber Filled with High Conductivity Metal

Development of Highly Conductive Silicone Rubber and Analysis of Its Electrical Properties

Flame-Retardant and Heat-Insulating Silicone Rubber & Preparation Method

Structural Design and Performance Research of Thermally Conductive and Insulating Silicone Rubber Composite

Preparation and Research of High Temperature Resistant Silicone Rubber Cable Sheath Material

Study on Ceramicized Fire-Resistant Foamed Silicone Rubber

Influence of Vulcanization Process on UV Resistance of HTV Silicone Rubber

Electrical Properties of Nonlinear Fillers Doped Silicone Rubber Composites

Security Analysis on the Manufacturing Technique of HTV Silicone Rubber

Research on High Temperature and Yellowing Resistance of HTV Silicone Rubber

Influence of Hollow Glass Microspheres on the Properties of Intumescent Flame Retardant Silicone Rubber Composites

Influence of Formula on Non-Isothermal Vulcanization Kinetics of Silicone Rubber

Main Influencing Factors and Production Difficulties of Flame-Retardant HTV Silicone Rubber

Influence of Silane Coupling Agent on the Aging Resistance of HTV Silicone Rubber

**Sub-Forum 2: Silicone for Healthcare**

Research Progress and Application of Medical Liquid Silicone Rubber

Application of Antimicrobial Silicone Rubber in Medical Field

Application and Development Status of Medical Silica Gel in Artificial Organs

Types, Applications and Development Trends of Medical Catheters

Application and Progress of Medical Silica Gel in the Prevention and Treatment of Wound and Scar Hyperplasia and Contracture

Medical Products Injection Molding and Automation Solutions

Cutting-Edge Development of Silicone in Medical Devices

Development Trend of Silicone Breast Implants

Development Status, Application and Prospects of Silicone Masks

Application of Long-Lasting Silicone Rubber Soft Lining Material in Complete Denture Restoration

Novel Application Research of Silicone Fluid in Medical Industry

Research and Application of Health-Care RTV2 Products

Preparation of Silicone Pressure-Sensitive Adhesive and Its Application in Skin Adhesion

**Sub-Forum 3: Silicone Pressure Sensitive Adhesive and Release Agent**

Development Status and Trend of Pressure Sensitive Adhesive

Research Progress of Silicone Pressure Sensitive Adhesives

Study on Free Radical Cross-Linked Silicone Pressure Sensitive Adhesive

Study on Preparation and Performance of Silicone Conductive Pressure Sensitive Adhesive

Development of High and Low Temperature Resistant Silicone Pressure Sensitive Adhesive

Silicone Pressure-Sensitive Adhesive and Its Application in High-Tech Fields

New Release Agent and Pressure Sensitive Adhesive for Functional Films

Study on Preparation and Performance of PVA Water-based Pressure Sensitive Tape Release Agent

Types of Silicone Release Agents and Main Curing Reactions

Research on the Microscopic Factors of the Stability of Silicone Release Agents and Its Application

Research on Silicone Release Coating for PET Film

Novel Silicone Release Agent Suitable for Film and Paper

Solvent-free Silicone Release Agent Preparation and Application

Ultraviolet light curing Silicone Release Agent and Its Preparation

Coating Process of Release Paper and Pressure Sensitive Tape