

## Curriculum Vitae:

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<b>Institution</b>	Toshiba Energy Systems & Solutions Corporation		
<b>Position</b>	Specialist		
<b>Title of Report</b>	Development of SiC core material for LWR		
<b>Individual Resume</b>	<p>I currently work for Toshiba Energy Systems &amp; Solutions Corporation where I have held the position of Specialist, First System Design Group in the System Design &amp; Engineering Development since 2012.</p> <p>I have over 8 years of nuclear engineering experience regarding RPV and RIN design. Since 2015, I have joined to the fuel-related project associated to ATF technology in connection with expanding R&amp;D opportunities of nuclear fuel in Japan.</p>		
<b>Abstract of Report</b>	<p>Toshiba has been developing core material of Silicon Carbide (SiC) composite made with CVI/CVD method as a candidate of accident tolerant fuel (ATF), in cooperation with Japanese Industries and national universities since 2008. SiC composite to be applied to core material should meet the performance requirement, such as mechanical strength, airtightness or corrosion resistance. Thus Toshiba has proceeded the development through phase 1 (from FY2012 to FY2015) and phase 2 (from FY2016 to FY2019) and succeeded in building manufacturing process of SiC composite which meets the performance and function requirement for practical use in Light Water Reactors (LWR). The principal results of the various examinations and the current issues about our research and development shall be presented.</p>		